

THE INSIDER

The Science and Technology Policy Internship Program's Alumni Network

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HISTORY OF THE PROGRAM

Recounted by Jim Turner

The Policy Intern Program began in 2000 with a single intern in Washington, DC. Dean Richard Miksad learned that I, who was at the time a member of the SEAS Dean's Advisory Council, also volunteered with the Massachusetts Institute of Technology, Washington, DC Summer Internship Program and was interested in the two schools joining forces in this area.

In the spring of 2000, Miksad and I visited the MIT Washington Office and met with the MIT faculty members who ran MIT's program. It was too late in the year to recruit and fund an intern class for that summer, but to get things started, Miksad funded one position, recruited Courtney Salthouse, and placed that student in the office of Virginia Congressman Virgil Goode. Courtney was a full participant in the evening

Continued on page 3

POLICY INTERNSHIP PROGRAM CELEBRATES 10TH ANNIVERSARY

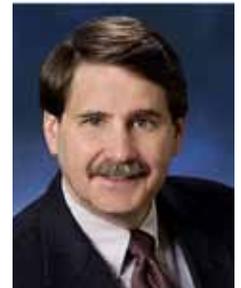
Like any ten-year-old, the Science and Technology Policy Intern Program continues to grow and change - sometimes in surprising ways! After five years of superb leadership, Ed Russell has moved on to direct the broader science and technology policy program in U.Va. Engineering School's Department of Science, Technology and Society. Taking over the Program from Prof. Russell has been an unexpected change for me as well. In 2005, after more than 30 years working in Washington as a lawyer in various government positions and NGOs, I moved to Charlottesville expecting to find a nice, quiet place to do some occasional consulting and writing. But when this opportunity arose, I couldn't resist. If my experience in Washington taught me anything, it was the critical need for more scientists and engineers to be involved in the policy-making process - and that's coming from a lawyer!

I'm truly honored to be associated with this program and to help carry out the vision that Dean Miksad created

ten years ago. The program has been fortunate to have had strong leadership, exceptional students, a loyal and active alumni base, and passionate supporters like our Washington coordinator, Jim Turner, who has worked with every intern since the beginning of the program.

I'm excited to be leading SEAS students into the second decade of the program and proud to see our graduates' growing list of accomplishments as they move deeper into their careers. Reading the alumni notes in this issue is the true reward for all of those before me who have given so much to this Program.

- Michael Rodemeyer, Director of the U.Va. Science and Technology Policy Internship Program



Michael Rodemeyer, became director of the Policy Program in the summer of 2009.



The 2010 intern class outside of Thornton Hall

NON-TRADITIONAL INTERNSHIPS

The Colombian Shaman,

his yellow-edged jaguar tooth necklace tinkling like a rain stick, sprinkled dark green herbs over the embers I held in front of him. The leaf bits ignited on the glowing coals, releasing a sweet smelling smoke throughout the room, and I kept the metal shovel still as he used a branch thick with long leaves to waft the smoke over a man sitting in front of him.

Taita Luciano, the shaman performing the cleansing segment of this healing ceremony, instructed me to take the embers and smoke to the seven other participants, who were spread out through the room waiting their turns. I carefully navigated the hazy room, holding the coals and fanning the smoke onto each of them. It was about three in the morning on a Thursday, and my seventh day working at the Amazon Conservation Team.

PIP facilitates life-changing experiences. During the summer we're given interesting and substantive jobs, face-



Ben Cooper and Taita Luciano during the cleansing ceremony

time with top policymakers, and occasion to explore D.C. After the summer we're connected to a network of fascinating U.Va. grads, encouraged to apply for various fellowships, and expected to shape the world. Most importantly, throughout it all, I have met and made brilliant and engaging friends.

These are opportunities, and like my time as Luciano's makeshift apprentice, they are unique and powerful. Much of what we do and who we become depends on the possibilities presented to us; I am grateful to PIP for expanding the expectations I have for myself.

- C. Benjamin Cooper, PIP '06

PIP WELCOMES 2010 INTERNS

The Policy Internship Program is happy to welcome 18 students to the 2010 intern class. Students are listed alphabetically.

Kelly Anderson
 Michael Backhus
 Russell Baird
 Katie Dove
 Celine Heckel-Jones
 Sara Hoffberg
 Scott Horton
 Lauren Kauffman
 Kelly Laustsen
 Ray Lee
 Lesley Luginbill
 Hannah Meredith
 Holly Mull
 James Muller
 Christine Nikas
 Dan Rice
 Thomas Ruff
 Lauren White

THE FIRST INTERN

As the first PIP intern, I worked in the office of Representative Virgil Goode during the Summer of 2000. As I was serving as President of the Engineering Student Council and was a member of the Rodman Scholar's Council during my fourth year, Dean Miksada asked me to recommend an undergraduate for an internship. The Dean had spoken to Congressman Goode, who represented Charlottesville, to secure the internship as an advisor on technical policy issues. When I asked if I could

nominate myself, the Dean agreed. I deferred the start date with my new job for two months and spent the Summer working on Capitol Hill.

I have shifted over the last ten years from an undergraduate degree in Mechanical Engineering to a graduate degree (through Georgia Tech distance learning) in Operations Research and landing in a career in Systems Engineering. I realized during my engineering studies that I enjoyed translating technical information into examples

Courtney Wright, 10 years after graduating from U.Va in 2000.

understood more broadly. This is something that was important in my internship and continues to be a significant part of my job at Booz Allen Hamilton. I now work at NASA's Johnson Space Center on the Constellation Program.

- Courtney Salthouse Wright, PIP '00



(Left) Courtney with Carrie Brown, Col '00 at the Roll Call Congressional Baseball Game. (Middle) Courtney with her husband Adam Wright. (Right) Courtney with her husband, Adam, daughter, Kailey, and son, Peyton.

LIFE AS A PARIS INTERN

Borna Kazerooni, PIP '09, and Matthew Hanna, PIP '09, spent the summer working in Paris. Both consider it a life-changing experience.



"Working in a foreign country in a foreign language was by far the best experience of my life because it allowed me to experience how it feels to live and work in a culture and society that is not your own. It's all about being able to walk in another person's shoes, and this experience helped me do just that."

- Borna Kazerooni, PIP' 09



"Flying to Paris and moving into a new apartment a few days before starting my internship was a fitting beginning to a very fast paced summer. Living in a foreign city was an incredibly valuable experience, and the international perspective in my office provided a constantly challenging and rewarding experience."

- Matt Hanna, PIP' 09

(Top) Borna Kazerooni, PIP '09, with co-workers at lunch. (Bottom) Borna Kazerooni and Matt Hanna, PIP '09, at the Champs de Mars celebrating Bastille Day.

HISTORY OF THE PROGRAM *Cont'd*

program that I had begun for the 15 MIT students two summers earlier and lived on the George Washington University campus with the MIT students.

The following year Dean Miksad funded four positions, and that class included the first U.Va. students in the White House, the Senate and the State Department. The program expanded to nine internships the next year and formal training of students on Grounds before they arrived in Washington. The program has benefited greatly from the creative efforts first of Professor Michael

"The joint MIT/U.VA. program is probably now the most highly regarded intern program for undergraduate engineers in Washington."

Gorman and later of Professor Edmund Russell.

In each subsequent year, the number of applicants and the prestige of the program have grown. In 2006, the program expanded to Richmond and Margaret Bonner became the first U.Va. engineering student to work in the office of the Virginia's Secretary of Technology. In 2007, the program went international with the placement of Christine Devlin at the National Science Foundation in Paris. This year the program will place its first intern in South America as Lauren White prepares to work with the Pan American Health Organization.

The joint MIT/U.Va. program is probably now the most highly regarded intern program for undergraduate engineers in Washington. Our students are placed in positions that match their interests and are mentored for the summer by very experienced senior officials in government and non-profit organizations. Many places, like the White House Office of Science and Technology Policy, the Director's



Jim Turner and Brooke Yamakoshi, PIP' 04, at the Cosmos Club in Washington D.C.

Office at the National Science Foundation and National Institutes of Health, and the National Academies take U.Va. policy interns almost every year. Some of the most important



Jim Turner and Jennifer Wilson, PIP' 08, in Charlottesville.

people in Washington science and technology circles annually take the time to speak to our students.

About 100 U.Va. undergraduates have completed the program and we will have 18 interns this summer. Our alumni have been accepted at the best graduate schools in the country and some have won prestigious scholarships to continue their studies abroad. Some have gone on to careers in public service. Others have used the knowledge and contacts they gained to enhance careers in engineering, law, medicine, consulting, finance and academia.

The program has grown and prospered because of the unwavering support, first of Dean Miksad and now of Dean Jim Aylor and of a generous group of benefactors put together with a huge assist from Professor Bill Wulf who spoke to the group each year he served as President of the National Academy of Engineering. However,

"About 100 U.Va. undergraduates have completed the program and we will have 18 interns this summer."

we realize that long-term Washington Intern Programs such as MIT's and Stanford's continue because they are endowed. We, therefore, were thrilled by the inclusion of Intern Program in U.Va.'s current capital campaign. If these funds can be raised, we have no doubt that the Policy Intern Program, which has now hit its stride, will grow to provide unique exposures to government and public service in our nation's capitol and around the world.

- Jim Turner, Washington Coordinator

ALUMNI UPDATES

Class of 2001



Stacey (Benzel) Flood entered U.Va.'s Darden School of Business in August 2007 and in December she married Ben Flood (Col '02, Darden '09). Following the completion of her MBA in May 2009, Stacey accepted a position with M&T Bank's Greater Baltimore Middle Market team as a Relationship Manager. Stacey and Ben are enjoying exploring Baltimore and are excited to take advantage of all that the city has to offer.

After working at AAAS, Emmanuel Smadja realized that his impact on the world could (or should) be more than just technical. After writing an MS thesis combining systems engineering with business and ethics, he went into the world of international business and is now enrolled in a global MBA program at INSEAD. After a couple years working in the field of international development through a strategy consulting firm, he hopes to move on to a political role in either Europe or Latin America.

Class of 2002



Erica (Kohr) Rolston is currently a senior consultant at Kurt Salmon Associates, a management consulting firm focusing on retail and consumer products.

Ryan Ewalt's experience with the White House Office of Science and Technology Policy helped him realize his interest in public service. As a result, he went on to work with various federal agencies as a management consultant for PricewaterhouseCoopers's Washington Federal Practice. Later, he obtained his Masters of Public Administration from the UNC Chapel Hill School of Government, where he met his wife and worked with nine North Carolina cities to improve their development review processes. He now works with various city-owned electric companies as a management consultant for Downes Associates, Inc.

After completing his internship with PIP, Glen Michael attended medical school at University of California, San Francisco. He is currently chief resident in emergency medicine at the University of Virginia. Using the skills and interests that were nurtured while interning as a PIP scholar, he has conducted research and published numerous works on the interface between health policy and public health.

Class of 2003



Jason Manto currently works for One Acre Fund in Rwanda, a registered Non-Governmental Organization operating with the goal of alleviating hunger in East Africa. They purchase and distribute farming inputs under a microcredit

system to small-scale farmers, and educate these individuals in farming techniques.

Melissa (Yingling) Counihan graduated from the University of Kentucky College of Medicine in 2009. She's now in Obstetrics and Gynecology residency at Emory University in Atlanta, GA.

Since PIP, Ryan Murphy has gone on to receive an MBA from Harvard Business School and is currently working as an engagement manager for McKinsey in their Atlanta office.

Ahson Wardak has recently finished Ph.D. coursework in systems engineering at U.Va. and is working towards completing his Ph.D. over the next few years. He will soon be joining the Small Business Administration as a technical advisor to the Assistant Administrator for Investment.

Class of 2004



PIP exposed Brooke Yamakoshi to global environmental policy issues. As a result, she studied abroad in Scandinavia during the summer of 2005, and pursued an MS degree in Systems Engineering at U.Va., researching methods of household drinking water treatment and sanitation in rural Cameroon, Africa. Brooke now works for the World Bank in Washington, DC, in a unit focused on water resources management issues in transboundary river basins in Africa.

Alex Genetos currently works for Deloitte Consulting in Detroit, MI.

ALUMNI SPOTLIGHT

Following a summer spent working on NSF's Information Technology Research (ITR) initiative, **Erwin Gianchandani** sought to return to Washington to work in science policy. He decided to pursue graduate degrees from U.Va., and earned a M.S. and Ph.D. in biomedical engineering. Erwin is now completing an AAAS fellowship in the same office where he did his internship - the Directorate for Computer and Information Science and Engineering (CISE), Office of the Assistant Director (OAD), at NSF.

After teaching in Texas as part of Teach for America, **Brock Riggs** returned to U.Va. to for a graduate degree in Materials Science and Engineering and is currently completing a law degree. Brock hopes to combine his graduate engineering background in nanotechnology and materials science with a law degree to help navigate some of the difficult questions posed by nanotechnology. Brock married fellow wahoo Emily Kim (Col '05) in the summer of 2008. The two live in Charlottesville.

After graduating from U.Va., **Peter Milligan** attended Cornell Law School and the Johnson Graduate School of Management. Peter graduated last May with a J.D. and an MBA and is now a corporate attorney in the New York office of Weil, Gotshal & Manges LLP.

Class of 2005



Alison Tramba has been employed by Bain & Company in Boston since graduation in 2007. She spent nine months on leave in 2009 to work for TechnoServe

My time spent in Senator Clinton's (D-NY) office working on low-income environmental justice policy issues in 2007 lead me directly to the Princeton in Asia Fellowship. It was in the United States Senate, through the tutelage of Sen. Clinton's congressional staff, that I was able to see the democratic participation of poor citizens not usually represented in this



civic decision-making process. The Princeton in Asia Fellowship has afforded me the ability to spend my energies on addressing global problems at the nexus of environmental degradation and economic development. Living in Thailand and working throughout Southeast Asia and Southern Africa has only honed both the sense of justice and the notion that policy can effect change cultivated during the Policy Internship Program.



Hy Martin, PIP '07, with former senator Hillary Clinton.

- Hy Martin, PIP '07

(Left) Hy Martin seated with Jim Turner at the end of his internship in the summer of 2007.

in Swaziland, focusing on operational support for a baby vegetable farm and a strategic growth plan for the national cotton and textile industries. She will return to Bain for the first half of 2010, after which she plans to return to Southern Africa.

Katharina Ley is currently pursuing a Ph.D. in industrial and operations engineering at the University of Michigan. She plans to focus on financial engineering, and specifically on the effect of financial aid on tuition prices in the United States undergraduate education market.

Class of 2006



Jon Carrier has been working as a consultant for Accenture on a project at the Department of Education. He

now helps build and maintain a website which grants student loans through some of the same programs which he saw enacted during his time as an intern on Capitol Hill.

Erin McElroy is working as a business analyst for McKinsey & Company in Washington, D.C.

Ben Cooper is completing his second year at the U.Va. School of Law. He spent last summer in the Gang Unit of the Boston District Attorney's office, and this summer he'll be an associate at Hogan Lovells in D.C. In law school, Ben actively pursues various pro bono projects, competes in moot court and serves as Editor in Chief of the Virginia Journal of Social Policy & the Law. Thankfully, he is still allowed to perform with U.Va.'s percussion ensemble. He would like to clerk for a federal district court judge after graduating.

After spending time at the NIH, **Jenny Saik** chose to pursue her Ph.D. in Houston, where her mentor from the NIH, Norka Ruiz Bravo, also obtained a Ph.D. Jenny is researching angiogenesis in Dr. Jennifer West's lab at Rice University and continues to publicize her work at conferences and in journals.

Continued on page 6

ALUMNI UPDATES

Jeffrey Rominger is currently in the environmental engineering Ph.D. program at MIT. He is working in an environmental fluid mechanics laboratory and is presently investigating the phenomena that exist at the nexus of physics and ecology in aquatic environments.

Since October, 2008, **Emily (Hesaltine) Walker** has been a business analyst in McKinsey & Company's Washington, D.C. office, where her work has been focused primarily in education and health care.

Valerie Skinner is in her second year as a consultant for Accenture, a global management consulting, technology services, and outsourcing company. She works out of Reston, Va. and is working with the United States Postal Service.

Class of 2007



Kevin Richards has been working at the U.S. Patent and Trademark Office as a patent examiner since August of 2008. He has also coached the Virginia Undergrad Mock Trial Team since the fall of 2008, after having competed for four years as an undergrad.

Morgan Rush will receive a Masters of Medical Sciences in May of 2010. She is currently applying to medical school with hopes of enrolling in the fall. She will also marry her fiancé, David Newsome (Col '09), in June of 2010 and the two will live in Atlanta.

Suzanne Collier has been working as a software engineer for BBN Technologies in Arlington, Va since August, 2009. She plans to begin a masters in computer science in the fall of 2010.

Kimberly Naden is attending medical school at the University of Virginia.

Vinu Ilakkuvan is currently pursuing a master's degree in Health Communications at the Harvard School of Public Health. She is enjoying her coursework and exploring various topics within public health, getting to know Boston, and meeting up with friends, but she misses U.Va., Virginia, and home!

Andrew Bradley has just finished his second year of medical school at the University of Michigan and is still a member of the hospital's adult ethics committee. His career plans are still largely undecided and he hopes the third year will help him get a clearer sense of what he wants to do as a physician.

Since graduating from the biomedical engineering department in the spring of 2009, **Jenna Zhang** has been working as a patent examiner at the U.S. Patent and Trademark Office.

Class of 2008



During his summer internship, **Dustin Cable** was introduced to congressional policy-making by drafting legislation on small business innovation. The experience led him to return to the Hill to work on health care reform and financial regulation while earning his Masters in Public Policy at the new Frank Batten School at U.Va. Dustin will graduate from the Batten School in May of 2010.

Hallett Connor will begin working for ExxonMobil outside Houston, Texas, in August 2010. Although Hallett has chosen to pursue a career in the chemical industry, he greatly values his summer spent in Washington, D.C., with the PIP.

Todd Gerarden's experience in the Policy Internship Program contributed to his successful application for the Truman Scholarship, and has guided him in his plans to use his mechanical engineering background in energy policy. He plans to study economics in graduate school

ALUMNI SPOTLIGHT

In 2002, my policy internship brought me to the National Science Foundation, where I studied the underrepresentation of women, minorities and persons with disabilities in science, technology, engineering and mathematics. After graduation, I continued this work while pursuing a Master's in Applied Mathematics at Georgia Tech. There, I was a researcher for the Center for the Study of Women, Science, and Technology. The program was funded by the NSF and it provided professional resources and mentoring for Georgia Tech women.

Today, I am a senior consultant with Kurt Salmon Associates (KSA) and active in an internal group called the

KSA Network of Women. This group supports the women of KSA as they develop skills and knowledge for a long-term, successful and satisfying consulting career.

When I'm not flying around the country for my job, I enjoy spending time with my husband, John, and volunteering at Atlanta Pet Rescue, a no-kill shelter in midtown Atlanta.



Erica Rolston, is now living in Atlanta, GA and is working for Kurt Salmon Associates.

- Erica Rolston, PIP' 02

ALUMNI UPDATES *Cont'd*

after a year of working within the federal government. He will intern at OSTP this summer.

Following graduation from the Chemical Engineering Department, **Brendan Hart** began working for ExxonMobil Chemical Company in Baton Rouge in the summer of 2009.

After researching sustainable water infrastructure at NSF, **Christina Stamper** furthered her interest in sustainability, the environment, and public policy by working for the U.S. Environmental Protection Agency on the sustainable development of nanotechnologies. She is now finishing a one-year Master's degree in Engineering for Sustainable Development at the University of Cambridge. After Cambridge, she will return to the U.S. and begin work as a Presidential Management Fellow.

After graduation, **Nick Olson** will be traveling to South Africa for the first World Cup on the African continent and then starting his job as a Business Technology Analyst in Deloitte Consulting's Federal Practice.

Jen Wilson will be pursuing a Ph.D. in Biological Engineering at MIT. She plans to study computational systems biology as it applies to cancer cell signaling and eventually hopes to return to the policy world after completing her degree.

Class of 2009



Chris Reilly is a third year in systems engineering student pursuing a minor in engineering business. He has just

accepted a position with FTI Consulting, a litigation consulting firm. Chris will be living in New York City this summer.

Jessica Vasconcellos has recently started working at Accenture as a System Integration Analyst. Her first client is the Department of State.

Jackie Piccolo has decided to pursue an internship with a chemical company, Celanese, this upcoming summer. She will be refining chemical processes.

After experiencing public policy firsthand on Capitol Hill, **Ryan Turner** chose to pursue further study in engineering and technology policy. In particular, he will be pursuing a Ph.D. in Engineering and Public Policy from Carnegie Mellon University starting fall 2010.

Matthew Hanna spent his time at the U.S. Embassy researching sustainable development and environmental policies, and will be working next year as an analyst at NewFields, an environmental stewardship and asset protection firm in Atlanta, Ga.

After being formally introduced to Capitol Hill life and researching Smart Grid Technologies, **Joshua Scott** has found a calling in the utility and energy regulation industry. To attain his dream, he plans to pursue an additional degree in economics. Next summer, he hopes to engage in an internship more related to electrical engineering and is contemplating law school.

After spending a summer immersing himself in the world of Capitol Hill, **Rohan Sebastian** gained a deep appreciation and insight into the nuances and nature of the political process. Furthermore, he understood the absolute necessity that engineering and policy work together. Next summer, Rohan will be interning for BayOne Information Technologies in India.

Yi Cai will be studying abroad in Germany this summer with the Global Ingenuity 21 Program.

ASK ALUMNI

When I interned at the State Department during the summer of 2001 I discovered that an engineer's mind can be useful in various jobs. I learned that several of the best nuclear arms negotiators were former scientists and that some members of Congress had studied engineering.

Because of this, I have pursued jobs that involve problem-solving and critical thinking and have a direct impact on our society's well-being. Right after college, I taught physics in Washington, D.C. through Teach for America. Then I studied public policy in graduate school and returned to D.C. I have

"...before PIP I would have never imagined a career path like this..."

just finished a fellowship working for the District of Columbia government, analyzing things like crime maps and education trends to improve city services. This work is fulfilling and interesting but, before PIP, I would have never imagined a career path like this.

-Ginger Mored, PIP' 01

It is hard for me to over-emphasize how instrumental the PIP was in pointing me toward my career and current studies in international development. For a typical e-school student narrowly focused on the technical, my summer in Washington was a revelation. Through my work with the Federation of American Scientists, the newsmakers we met,

"...it got me to thinking that I didn't need to accept the world as it was..."

debates with fellow students (many remain dear friends) and immersion in the political milieu, I started to understand the connection between the policy debates in DC and the lives of ordinary people worldwide. Most of all, it got me to thinking that I didn't need to accept the world as it was, but that I could intervene and try to make it better. It was a critical first step, and one that has influenced each since.

-Soham Sen, PIP' 03



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 Sun Microsystems
 Lockheed Martin
 Micron Technology

for their generous support that continues to make the program a success from year to year. We also want to thank several individuals without whom our program would not be possible:

Ralph Roberson (ME '69, '71)
 Dudley (EE '76, '77) & Barbara Nadolny (MAE'81) White
 Jim Turner

SUPPORTING THE PROGRAM

The Policy Internship Program is a one-of-a-kind program for engineers. For a decade, PIP has had extensive and immeasurable benefits for students. The Alumni, both in their praise and accomplishments, speak to the quality of experience PIP provides.

If you want to make a meaningful contribution and have a lasting impact on a program that has un-matched benefits for U.Va. Engineering students, consider contributing to the Policy Internship Program. To donate securely online, visit www.seas.virginia.edu/support and designate your gift to the Policy Internship Program.

New! For young alumni, consider making a smaller contribution on a per-month basis. Visit www.seas.virginia.edu/10in2010 and designate your gift to the Policy Internship Program.

To donate by phone, or for more information about all giving opportunities, please contact Truin Huntley at 434.924.3551.



SAVE THE DATE

Alumni and Friends Reception

Wednesday July 28th
 6:00-8:00 PM

Rayburn Office Building B 338
 Washington, D.C.

Research Symposium

Thursday July 29th
 9:30 AM-4:00PM
 APLU

1307 New York Ave., N.W.
 Washington, D.C

Formal invitations will follow in June.