

CAMRYNN “Cammie” L. FAUSEY

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ACADEMICS, HONORS, AND AWARDS

YALE UNIVERSITY, SCHOOL OF ENGINEERING AND APPLIED SCIENCES

New Haven, CT

PhD Student, Chemical and Environmental Engineering

2015-current (estimated completion 2020)

- National Science Foundation Graduate Research Fellow
- Currently designing a multi-layered, modular water filter for the developing world, which sequentially targets organics, bacteria and metals using “green” products such as crustacean shells and plant fibers.

UNIVERSITY OF VIRGINIA, SCHOOL OF ENGINEERING AND APPLIED SCIENCES

Charlottesville, VA

Majors: Systems Engineering | Economics; Minors: Business | Science and Technology Policy

May 2013

- **Overall GPA 3.73, High Distinction, Deans List, Intermediate Honors, Tau Beta Pi**
- **2013 School of Engineering and Applied Sciences Outstanding Student:** one of four students to receive highest Engineering School graduation award based on academic performance, leadership, and service.
- **Rodman Scholar** (top 5% of engineering class)
- **Lawn Residency**, selected among residents (the 55 top-honor UVA seniors) as **Head Resident**
- **National Society of Collegiate Scholars, National Residence Hall Honorary** (2010)
- **2013 Algernon Sydney Sullivan Award** recipient for “demonstrated notable character, integrity, and service”
- **Raven Society**, one of three juniors selected for society fall 2011; served on Scholarship Selection Committee
- **McIntire School of Music** studied classical and jazz under Dave Matthews Band pianist
- **Languages:** English, Hindi (Landour Language School, Mussoorie, India), and Latin

UVA STUDY ABROAD: DELHI (2012): Studied the interface of culture and sanitation technology in **Delhi, India**.

MOUNTAIN VISTA GOVERNOR’S SCHOOL **for science, math and technology-gifted students**

- **One of three students selected to participate as sophomores during school’s inaugural year.**
- **Top Ten Research Project Finalist.** *Satellite Orbital Determination with Variants* (2006-2008)

SCIENCE, MATHEMATICS AND RESEARCH FOR TRANSFORMATION (SMART) SCHOLARSHIP

- Selected by the **Department of Defense** as **one of 300 from a pool of several thousand 2011 applicants and 1500 semifinalists**. The two-year scholarship includes a **cash award of \$50,000, full tuition, employment upon graduation**, approved related education needs at the University of Virginia, health insurance funding, a book allowance of up to \$1,000 per year, and internship and orientation travel expenses.

National Merit Commendation; The Office of Naval Research Naval Science Award; Peer-reviewed Publication: *A Proposal for a Federal Mentorship Initiative (Engineering Spectra Research Journal)*; Publication at **Systems and Information Engineering Design Symposium, Charlottesville, VA, IEEE**: “The Development Clearinghouse: Collecting and Distributing Information on Water and Sanitation Non-Governmental Organizations.” **1st Place in the Undergraduate Research Network Symposium** (1st in humanities division and also winner among all divisions); **1st Place Presidential Poster Competition; 2nd Place UVA Science, Technology, & Entrepreneurship Competition**

WORK EXPERIENCE

Yale School of Engineering, Teaching Assistant

2017-Current

- Assisted with grading and teaching Introduction to Environmental Engineering to 20 undergraduate students.

United States Marine Corps, Amphibious Assault Vehicle Engineer and Project Manager

2012-2015

- Engineered algorithms to determine cost-effective ways to address mission failures of amphibious tanks in theater. Led engineering efforts for the Logistics Vehicle System Replacement, composed performance specifications, assisted follow-on production testing, modeled vehicle parts, directed innovation research teams, and selected as one of six technical evaluators for a \$100M source selection. **Secret Security Clearance**.
- Completed a **three-month rotation with the Secretary of Defense** facilitating the development of the Amphibious Combat Vehicle and revamping measures of performance by which the Department of Defense evaluates their vehicle programs. Because of her impact, **Pentagon leadership requested Cammie remain and complete a 2nd rotation**. Thus, she continued and directed the India Defense Trade & Technology Initiative with the Assistant Secretary of Defense, interfacing in Hindi with the Ambassador of India and coordinating with the Indian government the co-production and co-development of 17 military technologies.

HiComm, Start-up Co-Founder and Team Mentor

2012-2013

- Pioneered an SMS-based web application that allows community partners and NGO project managers to communicate at low cost using already-existing cellular networks. Supervised a team of five UVA development engineers. Selected for **Darden Entrepreneurship Incubator** and received **First Place in the UVA Presidential Poster Competition**. Future clients may include US Dept. of State and African/Asian Dev. Banks.