

Undergraduates Seeking Internships

David Eaton

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Education

Yale University

2014- 2018

- Expected B.S./M.S. in Biomedical Engineering
 - Focus on Biomolecular Engineering and Bioimaging

Colegio Mayor Guadalupe

Summer 2016

- Took a Spanish language course and a history course in Madrid with the IES Study Abroad Program and lived with a host family for six weeks.
- GPA: 4.00

Branford High School

2010- 2014

- Unweighted GPA: 4.00, Valedictorian

Research Experience

Research Student in Dr. Sreenganga Chandra's Lab

January 2016- Present

- The Chandra lab explores synapse loss and neurodegeneration. Part of my job involves genotyping mice using polymerase chain reaction (PCR).
- Working on two research projects. The first looks to determine if two mutant products of the DNAJC5 gene bind differently to a secretory membrane target protein, AP3B2, compared to the wild type protein. The other project seeks to develop a mouse PPT1 antibody for use in future experiments.

Summer Student in Dr. Raimund Herzog's Lab

Summer 2015

- Worked in Dr. Herzog's endocrinology lab, which focuses on characterizing and preventing the central nervous system complications from diabetes. My goal was to understand (i) the adaptations in brain fuel metabolism to acute and recurrent hypoglycemia and (ii) the role of the receptor proteins PEA15, CASP8, and FAS.
- Acquired many lab skills including how to perform protein assays (i.e. BCA assay and Qubit assay), western blots, and coomassie blue staining.

Yale Discovery to Cure Internship Program

Summer 2013

- Worked in the Endocrinology lab of Karl Insogna, MD to investigate the mechanosensing ability of osteocytes. I performed experiments with a mentor and attended weekly lab meetings.
- Acquired many lab skills, including how to culture cells, perform a PCR, analyze data, communicate with other lab members, etc.
- The program further exposes students to research with weekly mentoring sessions. At the end of the program I presented my research findings to Yale Faculty and students in the program.

Volunteer Experience

Patient Services Volunteer at Haven Free Clinic

June 2016- Present

- Haven Free Clinic is a student-run primary care clinic partnered with Yale University that serves many Spanish-speaking patients.
- The Patient Services Department requires a professional level of Spanish.
- Had to keep track of patient flow, manage appointments, and make phone calls to patients.

Yale New Haven Hospital Volunteer

Fall 2016

- Patient Aide Volunteer in Surgery Unit

Hypertension Awareness and Prevention Program at Yale

September 2016- Present

- Volunteered weekly to conduct blood pressure screenings in an effort to help effectively manage chronic hypertension in New Haven's underserved communities.

Volunteers Around the World (VAW)

March 2016

- Traveled with the Yale Chapter of VAW to Cusco, Peru to set up mobile clinics and assist with physical exams, the distribution of essential medicines, and the teaching of classes on public health issues.

Activities

Yale Emergency Medical Service (YEMS)

August 2015- Present

- Work at athletic games and campus events and treat any injuries or medical emergencies.
- Help teach EMT skill stations (i.e. CPR) to current students in the EMT class and evaluate these students on their performance of these skill stations.

IES Abroad Ambassador Program

September 2016- Present

- Offered advice and support to future study abroad students through email and on campus study abroad events.

Skills

EMT Certified

Software: MS Office, MatLab, GraphPad Prism, Image J

Languages: Professional Spanish