

Ethan Epstein

ethanepstein@utexas.edu • 8412 Black Stallion Pl Vienna VA 22182 • (703)-856-9945

Education

The University of Texas at Austin, 3.93 GPA September 2017 - May 2021

B.S. Biomedical Engineering, Computational Focus, Minor in Business

Relevant Coursework: Embedded Systems, Circuits, Numerical Methods, Computational Design Lab

Instituto Tecnológico de Buenos Aires, Study Abroad. 4.0 GPA May - June 2018

Work Experience

Catholic University of America - Research Intern; Washington, D.C. July - August 2016

- Prepared and conducted experiment on tensile strength of DNA using magnetic tweezers
- Analyzed data about the position and forces of tweezers with MATLAB in a team of researchers
- Communicated results via presentation to professors and doctoral candidates

Kung Fu Tea - Barista; Tysons Corner, VA June 2017 - August 2018

- Memorized and prepared 150+ drinks, up to 80 customers/hour
- Led new employees on customer service, drink making, and cleaning

Projects

Electrocardiograph (ECG) Fall 2018

- Designed and soldered a circuit of operational amps, resistors, and electrodes capable of reading electrical activity of the heart
- Programmed signal cleaning, data capture, and data analysis in LabVIEW

Othello Game Creation Spring 2019

- Planned and created a handheld gaming device including a microcontroller, LCD, DAC/headphone jack, and analog inputs
- Coded drivers for the device's components and the game itself in C and ARM assembly
- Collaborated with a partner to participate in a game design contest as well as present to peers and professors

Activities

Tau Beta Pi Engineering Honor Society – Member Fall 2018 - Present

- Volunteer academically (tutoring, fundraising, etc.) and the community (river cleanup, trash sorting, etc.)
- Cultivate friendly and collaborative engineering environment through lunch and learns, seminars, and brown bag meetings

Texas Running Club – Officer (Track Coach) Fall 2017 - Present

- Organize and lead track workouts to train for speed, distance, and specific events
- Run the club (in both senses of the word) as a member of the officer team
- Contribute to the community with trail trash cleanups, water stations at races, and other volunteer activities
- Lead races including ~200-mile relays from Austin to Corpus Christi and Gonzales to Houston

Honors/Awards

- Optimist Youth of Excellence Award in Science Spring 2016
- Engineering Honors Program Fall 2017 - Present
- Edwin and Marjorie Marks Endowed Scholar Fall 2018 – Present
- UT College Scholar Spring 2019

Skills

Certifications: Microsoft Office Specialist Certification (2013) in Word and PowerPoint, Expert Certification in Excel

Programming: MATLAB (intermediate), Python (some), C/C++ (intermediate) **Spoken Languages:** Spanish

Interests: Health and exercise science, running and hiking, board games, Zumba