

Eric Iniguez

Tulsa, OK
+16824639587
eric-iniguez@utulsa.edu
<https://ericiniguez.site>

Objective

I am an undergraduate student pursuing a B.S. degree in Electrical and Computer Engineering, with a minor in Cybersecurity. I am seeking an internship where I can apply my enthusiasm and leadership to help a team complete their tasks and goals.

Education

B.S. Electrical and Computer Engineering | University of Tulsa August 2018 –
Minor in Cybersecurity May 2022 (Expected)

Experience

Web Developer | University of Tulsa Housing Web Team January 2020
Developed, maintained, and documented University of Tulsa's
– CURRENT
<https://canelink.utulsa.edu>, a website used by staff and students alike to
complete critical tasks and routines. Worked with CakePHP and Gitlab.

Work-Study | University of Tulsa Electrical and Computer Engineering November 2018
Assisted department staff, restocked printers, cleaned and organized
– May 2019
department workshop.

Research | University of Tulsa Enterprise Security Group September 2018
Wrote documentation for code and hardware, accounted for supplies,
– March 2019
researched solutions, and optimized the design of the cybersecurity testbed.

Technical Skills

Computer Languages: Python, C, JavaScript, Bash, PHP, HTML & CSS, LaTeX

Operating Systems: Linux (Various Desktop and Server Distributions), Windows, MacOS

Relevant Projects

Personal Website (May 2020): Registered a domain name and set up a personal website to showcase my projects and any future projects in the form of blog posts.

Raspberry Pi Robot Arm Surveillance Camera (November 2018): Programmed a Raspberry Pi that controlled a web camera mounted on a servo-motor robot arm. Implemented the ability to view a live feed, capture images, record video and control the servo arm over SSH.

Arduino Digital Clock (December 2019): Programmed an Arduino to display the four digits of a digital clock onto a four-digit seven segment display. Implemented a circuit of two pushbuttons to be able to adjust the time by incrementing or decrementing the value due to the lack of a hardware clock and internet access to access an internet clock.

Bike Hub Electromagnetic Generator (June 2015): Implemented an electromagnetic generator in a bicycle hub for charging a mobile device while the bicycle is being ridden.

Electromagnetic Generator (March 2012): Crafted a generator with RadioShack magnets and copper wire mounted to Plexiglas panels cut with a rotary saw, wire saw, deburring tool and sandpaper. Soldered diode to metal pins soldered to copper wire. Diode is powered when the magnets are spun inside copper wire coil.