Ian Hunter

Returning student looking for opportunities in semiconductor manufacturing, high voltage electronics, and grid electrification

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Education

UC San Diego

Bc.S - Bioinformatics   *2012 - 2018*

Core classes in organic chemistry, algorithms and data structures, and statistics, with a specific focus on their applications to genomic sequencing

San Jose State Univeristy

Electrical Engineering - OpenU   *2022 - 2023 (estimated)*

Core EE curriculum through the Open Univeristy program - circuit theory and analysis, OPAMPS, and digital signals

Experience

IT Manager - Evergreen Supply

2020 - present

Managed rollout of new Point of Sale (PoS) system for a small-medium sized construction and landscape supply business

Installed and configured networking equipment and hardware firewalls for two branch locations

Monitor and manage website, VOIP, and PoS systems on an ongoing basis

Founder - Organize

Los Angeles, CA   *2018 - 2020*

Developed a platform to crowdsource information on day to day interactions between police officers and citizens

Created an open API to promote data accessibility and developed data ingestion systems to maintain department and officer profiles

Engineer - Embrace

San Diego, CA   *2017 - 2018*

Developed a wearable device that analyzed gait patterns in aging adults for the purpose of fall prevention

Researched and implemented algorithms for IMU sensor fusion and gait parameter determination

Partnered with leading kinesiologists to complement visually administered fall risk assessments with wearable sensors

Skills

Languages

Python, Javascript, C++, HTML, C, CSS, SQL

Tools and Programs

Linux, Git, AWS, Arduino, Raspberry Pi/Pico, LTSpice, Altium, Markdown, Jupyter Notebook

Frameworks and Libraries

Django, React, NodeJS, Apache

Other

SJSU Spartan Racing - Formula SAE

Implemented control functionality and logic for drag reduction system

Tor Lab, Dept. of Chemistry - Student Researcher

Assisted in the synthesis of antibiotic based candidate therapuetics for a specific class of genetic diseases

Code for San Jose - Volunteer

Built a React based online portal to encourage participation in the 2020 Census in partnership with the City of San Jose

This resume built with HTML, Python and ❤️