

MAXWELL R. BRADLEY

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PROFILE

Dedicated technical entrepreneur with a forte for maintainable development, business savvy, and social awareness.

SKILLS

Programming Languages/Paradigms.....C/C++, Python, Java, React-Native, Verilog, MySQL, Bash, Powershell, Bootstrap, HTML, CSS, Object-Oriented, Functional, Jinja2, Javascript

IDEs.....Xcode, Vivado, Google Apps Script IDE

Softwares.....Google Drive, Pages, Numbers, Word, Excel, Sklearn, Seaborn, Matplotlib, Django

EDUCATION

UNIVERSITY OF CALIFORNIA AT SANTA CRUZ

- Bachelors Degree in Progress (12/2019 completion)
- Computer Engineering: concentrating in Computer Systems (**GPA 3.72**)
- Masters planned, expected graduation with Masters June 2020
- Educational Interests: Machine Learning, Data Mining, Parallel Processing, Application Design

EXPERIENCE

CO-FOUNDER & SOFTWARE DIRECTOR | DIAMOND TUTORING | FREMONT, CA

2016-PRESENT

- Used Django web framework to create company portal used by 20 contractors and 30 clients
- Created business analytic software to track earnings and patterns across the school year
- Integrated online tutoring REST API for expansion into online tutoring market

COMPUTER ENGINEER (INTERN) | STRATEGIC WEAPONS FACILITY PACIFIC | SILVERDALE, WA

JUNE 2019 - SEPTEMBER 2019

- Created lighting detection system to migrate risk when loading nuclear submarines on waterfront
- Created USB and PII auditing software to scrape military base for security violations and ensure proper treatment of classified information
- *US Government Secret Security Clearance*

RESEARCH ASSISTANT | POURMAND RESEARCH LAB | SANTA CRUZ, CA

2016 - JUNE 2017

- Tasked with creating an organic circuit to pass current through petri dishes to monitor cell responses
- In charge of tabulating and carefully presenting findings with industry level engineering notes

PROJECTS

OSCILLOSCOPE AND LOGIC ANALYZER

Used C to interface a Cypress5 PSOC microcontroller and a Linux based Raspberry Pi to receive signals through an ADC, send them over USB to the Pi, and display them with a created GUI