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December 2021

Bachelor of Arts in Computer Science

Minor in Mathematics, C3 Entrepreneurship Certification

June 2020 – August 2020

Technology Development Program Intern

Alert Metrics Project, *Data Analyst*

- Customized a dashboard to provide metrics that measure efficiency of the AIOps platform
- Created a data pipeline using Kafka to collect key metrics such as Time to Resolution
- Utilized Spring and MongoDB to store metrics data from the Kafka topic
- Optimized decision making for resource allocation by detecting issues and auto-assigning tasks

Intern Innovation Challenge, Product Owner and Developer

- Developed a web app that provides metrics for measuring engagement in virtual classrooms
- Conducted user research by interviewing 20+ educators to create user stories and use cases
- Constructed the front-end UI of web-app using Bootstrap, NodeJS, and React

Willbros Inc, Houston, Texas

June 2017 – August 2017

IT Intern

- Configured 20+ employee work stations, including hardware, software and peripheral devices
- Repaired and upgraded 50+ Dell and HP laptops that were reused by the company

September 2019 – December 2019

- Constructed a general-purpose computer system using Nand2Tetris software suite
- Designed elements such as logic gates and adders using Hardware Description Language
- Created an assembler using C++ that compiled Hack Assembly code to binary code
- Implemented the memory unit and CPU and integrated all components together

Where at App, Team Leader and Presenter

September 2018

- Developed an event management app that allows students to create and discover local events
- Guided a team of 5 students by assigning roles and organizing tasks
- Built the front-end UI of a web-app using React, NodeJS and Bootstrap
- Presented a 5-minute shark tank style pitch to company representatives

DSTR Robot, Team Leader

September 2017 – December 2017

- Engineered a four-wheeled racing robot which can be controlled wirelessly using a mobile app
- Assembled the mechanical subsystem and electrical wiring using power tools
- Programmed a sensor collection application on TI microcontroller using Energia
- Collected and analyzed sensor data using MATLAB to improve motor performance

February 2020

Most Cohesive Award

- Created a lean startup model for an event management mobile app that organizes school events
- Pitched a startup idea to investors and devised a strategy and revenue plan
- Outlined features of the mobile app and designed UI mockups using Adobe XD and Figma

Duke of Edinburgh International Award, United Kingdom

September 2014 – March 2016

Gold Award

- Completed 18 months of physical training, skill development and community service
- Aided students from underprivileged families by providing Math and English tutoring
- Headed a team of 10 students in a remote village to research on a hospital's development

Fluent: C++, Python, Linux, HTML, CSS, JavaScript, Bootstrap, MATLAB

Familiar: Java, jQuery, MongoDB, Kafka, Spring, NodeJS, React, Angular, Adobe XD