

OBJECTIVE

To obtain a full-time position as a Information Technology Specialist.

SKILLS

Programming: C/C++, CUDA, Python, Java, Clojure, x86 assembly, CLISP, HTML, CSS, GPSS, OpenCL, MySQL

Tools: Windows, Unix/Linux, MacOS, VMWare, Git, Anaconda, Jupyter, Tensorflow, Visual Studio, Eclipse, Pandas, GDB

Testing: White & Block Box Testing, Junit

EDUCATION

California State University Sacramento

Bachelor of Science in Computer Science, May 2018

Minor: Mathematics

Selected Courses

- Data Structures and Algorithms
- Data Warehousing and Data Mining
- Computer Software Engineering
- Computer Networks and Internets
- Object-Oriented Programming
- Adv. Operating System Pragmatics
- Intelligent Systems and Machine Learning
- Parallel Programming with GPU's

EXPERIENCE

Catalysis Group -- Sacramento, California

Senior Project (Spring-Winter 2017)

- Created an original open-source cross-platform private key encryption software
- Followed the SCRUM methodology for product development on a team
- Worked closely with client (software engineer consultant) to ensure their needs and requirements were satisfied.

ACADEMIC PROJECTS

Humpback Whale Identification Challenge (Spring 2018)

A machine learning project hosted by Kaggle with the purpose of minimizing environmental impact of research

- Assessed underlying problems in the data set and found solutions to account for them.
- Implemented a deep convolutional neural network in Python with GPU acceleration
- Led team in coding phase and gave a presentation on the topic

Twitter Data Mining (Spring 2018)

A machine learning project which determined user political affiliation based on tweets and profile descriptions.

- Used a large dataset which required pre-processing, iterative pruning, feature extraction
- Implemented a host of classification models with very high accuracy

Unix-based Operating System (Fall 2017)

Built an operating system and small network in C and x86 assembly

- Utilized version control and applied software engineering principles
- Worked effectively with a partner from another field.

INTERESTS

Eagle Scout with a passion for the outdoors. Enjoys camping, backpacking, and fishing. Also likes to experiment with different programming projects in spare time.