

Eric DeMoney

Fast learning Computer Science graduate with one year of experience in a corporate tech environment

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Experience

Information Security Intern (08/2018 - 08/2019) - Enloe Medical Center - Chico, CA

- Developed user creation and termination scripts that saved ~6 hours of work per week and eliminated the need to purchase expensive provisioning software.
- Created several scripts to generate Excel spreadsheets of vital security metrics for weekly review.
- Secretary of the Risk Management Committee, which discusses solutions for high-risk vulnerabilities in the hospital's technical infrastructure.
- Performed daily tasks such as log monitoring using Proofpoint, LogRhythm, and Rapid7.
- Maintained extensive technical documentation of scripts and programs developed.

Personal Projects

- Developed website that allows friends to discuss and vote on what restaurant to go to using results from Yelp. *Implemented using the Django web framework, websockets, Yelp API and Bootstrap front-end toolkit.*
- Developed cross-platform mobile application for collaboratively planning outdoors trips with friends. *Implemented using the Flutter SDK, Firebase Realtime Database, Google Places API and OpenWeatherMap API.*
- Implemented Minesweeper solving algorithm and Minesweeper game in C++.
- Currently working on designing an application to identify and catalog fish species captured by underwater cameras on the Yuba River using the TensorFlow Object Detection API.

Class Projects

- Implemented compiler/interpreter in C++ for a programming language for making OpenGL computer games.
- Wrote network file transfer utility with error correction in C using the Berkeley sockets API.

Education

- B.S. Computer Science, 12/2021
California State University, Chico

Relevant Coursework

- CSCI430 Software Engineering
- CSCI551 Numerical Methods and Parallel Programming
- CSCI111, 211, 311, 550 Programming and Algorithms
- MATH314 Probability And Statistics For Science And Technology

Technical Skills

Languages and Frameworks

- Proficient with C/C++, Flutter/Dart and Django
- Familiar with Python, R, Java, JavaScript, HTML/CSS, SQL, Powershell and Bash
- Learning Go and TensorFlow

Software

- Git, GDB, Firebase, LDAP Systems
- 4 years of Linux experience
- Familiar with macOS and Windows