

Eric DeMoney

Recent Computer Science graduate with significant experience with C++, mobile, and web development with proven ability to quickly learn new skills and languages.

Location: Chico CA, willing to relocate
Phone: (408) 406-3025
Email: eric@demoney.net
Github: github.com/erdemoney

Education

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

Relevant Courses

- CSCI 567 Mobile Application Development
- CSCI 551 Numerical Methods and Parallel Programming
- MATH 314 Probability and Statistics for Science and Technology

Experience

Information Security Intern Enloe Medical Center, Chico, CA, August 2018 - August 2019

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

Projects

- **PackPlan** - Cross-platform mobile application for collaboratively planning outdoor trips with friends in real-time. *Implemented using Flutter SDK, Firebase Realtime Database, Google Places API, and OpenWeatherMap API.*
- **MunchMatch** - Developed website that allows friends to discuss and vote on what restaurant to go to using results from Yelp. *Implemented using Django Web Framework, WebSockets, Yelp API and Bootstrap.*
- **Minesweeper Solver** - Implemented Minesweeper solving algorithm and Minesweeper game in C++.
- **Game Programming Language** - Implemented compiler/interpreter in C++ for a programming language for making OpenGL computer games.
- **Network File Transfer Utility** - Wrote network file transfer utility with error correction in C using Berkeley Sockets API.
- **Fish AI** - 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.

Technical Skills

Languages and Frameworks

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

Software

- Git, GDB, Valgrind, Active Directory
- Unix command line tools
- 4 years of Linux experience