Jennifer Finaldi

Email: jfinaldi32@gmail.com

Phone number: 9512643214

linkedin.com/in/jennifer-finaldi-08a768193

github.com/jfinaldi

EDUCATION

- **Bachelor of Science in Computer Science** — Expected Graduation: December 2021
  San Francisco State University — GPA: 3.97
    - **Coursework:** Software Development (C++, C, Java), Embedded Systems (Linux, C Programming, Raspberry Pi GPIO), Programming Methodology (Java, C++), Operating Systems, iOS Development (Swift), User Interface Design (Java)
    - **Dean's List:** Spring 2020, Fall 2019
- **Associate of Science in Computer Science** — Graduation: December 2018
  Diablo Valley College — GPA: 4.00
    - **Achievements:** Presidential Scholar Award
- **Associate of Science in Mathematics** — Graduation: May 2019
  Contra Costa College — GPA: 3.14
    - **Achievements:** Dean's List (2017), Honors, Alpha Gamma Sigma member
- **Certifications:**
  Diablo Valley College — completed on: Dec 2018
    - **Program Design, Advanced C++ Programming, Computer Architecture**

TECHNICAL SKILLS

- **Languages:** C++, C, Java, Python, Swift, Assembly. **Databases:** MySQL.

- **Architectures:** MVC. **Programming:** Object Oriented, Procedural.

WORK HISTORY

- **Peer-Led Team Learning Tutor** — San Pablo, CA
  Contra Costa College — *Jan 2019 - Jul 2019*
    - Subjects: C++ Programming, Calculus II, Descriptive Physics.
    - Worked closely with students to improve skills through carefully tailored lesson plans.
    - Attended lectures in order to create study sessions that directly related to coursework.
    - Recorded reported program enhancement data

PROJECTS

- **Custom File System**
  Project lead, Shell Interfacing — *link: github.com/jfinaldi/filesystem-project*
    - Design and implement a file system similar to the Linux file system.
    - Establish milestones, assign tasks, organize regular team meetings, ensure the meeting of deadlines.
    - Meet basic functionality requirements, along with additional features such as dynamic extend memory allocation and defragmentation.
    - Design the file structure and implement all routines and subroutines.
    - Interface the shell command system with the file system in order to create, delete, and manipulate files
- **Contact Tracing iOS Application**
  Front-End Lead — *link: github.com/jfinaldi/CSC690-Term-Project*
    - Application to manage contact tracing during the Covid-19 pandemic.
    - Used Swift Storyboards to create a user interface.
    - Implemented the UI connections by creating the view controller to interface with the view and the model.
- **Device Driver**
  A Simple Virtual Authenticator Dongle with Login — *link: github.com/jfinaldi/device-driver*
    - Character-based device driver.
    - User program generates a random key, then has three minutes to enter the key to "log in".
    - Designed to mimic the behaviors of two-factor authentication without using hardware, operating in kernel space.