Nicholas Schaffner

Software Engineer

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EDUCATION

OREGON STATE UNIVERSITY   **Corvallis, OR**
B.S. Computer Science, GPA: 3.94   *August 2016 - March 2020*

POINT LOMA NAZARENE UNIVERSITY   **San Diego, CA**
B.A. Psychology, GPA: 3.89   *August 2006 - May 2010*

TECHNICAL SKILLS

LANGUAGES   C++, C, Python, CSS3, JavaScript, Swift, SQL

TECHNOLOGIES   React, Node.js, Firebase, MySQL

PROJECTS

- **Coffee, Anyone?** – An iOS dating application built with **Swift** and **Python** that matches users based on personality quiz results and select preferences input by a user. This application includes profile creation, the ability to view matched profiles, chat functionality, and facial detection functionality.
- **cshell** – A custom shell written in **C** that supports foreground and background processes as well as built-in commands including exit, cd, and status.
- **adventureTime** – A text-based adventure game written in **C** that allows users to navigate through a pre-defined set of rooms with the objective of reaching the last room in order to "win". The program also utilizes mutexes and multithreading by allowing the user to enter a command that returns the current time.
- **pyFTS** - A simple file transfer system with a file transfer server written in **C** and a file transfer client written in **Python**.
- **oneTimePad** – A set of five programs written in **C** that run on the command line to encrypt plaintext and then decrypt the ciphertext using a key.

WORK EXPERIENCE

University of California, San Diego   **San Diego, CA**

Clinical Trials Coverage Analyst   *Sep 2016 – Jan 2018*
- Harmonized clinical trials protocols, budgets, contracts, and informed consents to determine what is billable to insurance companies based on federal/state billing regulations.
- Coordinated efforts with multiple departments, including HRPP, OCTA, OCGA and study teams, in order to ensure billing compliance for clinical research.
- Examined budget estimates for completeness, accuracy, and conformance with procedures and regulations.
- Consulted with managers to ensure that budget adjustments were made in accordance with program changes.

Clinical Research Associate   *Aug 2010 – Aug 2016*
- Maintained required records of study activity including case report forms, drug dispensation records, and regulatory forms.
- Monitored study activities to ensure compliance with protocols and with all relevant local, federal, and state regulatory and institutional polices.
- Reviewed patient medical records daily via the EPIC Systems utilized by UCSD Medical Center.
- Concurrently assisted in the development of the Center for Advanced Mood and Anxiety Disorders (CATMAD) Program while continuing to work for the Neuropsychiatry and Behavioral Medicine Program.