

# Nicholas Schaffner

## Software Engineer

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## EDUCATION

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### Oregon State University

B.S. Computer Science, GPA: 3.94

Corvallis, OR

August 2016 - March 2020

### Point Loma Nazarene University

B.A. Psychology, GPA: 3.89

San Diego, CA

August 2006 - May 2010

## TECHNICAL SKILLS

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**Languages** C++, C, Python, JavaScript, Swift, SQL

**Technologies** Git, React, Node.js, Firebase, MySQL

## PROJECTS

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- **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

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### University of California San Diego

Clinical Trials Coverage Analyst

San Diego, CA

September 2016 – January 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.

### University of California San Diego

Clinical Research Associate

San Diego, CA

August 2010 – August 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 policies.
- 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.