

# Nicholas Schaffner

## Software Engineer

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## EDUCATION

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

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

## TECHNICAL SKILLS

**LANGUAGES**                      **Proficient:** C++, C, Python  
   **Familiar:** JavaScript, Swift, SQL

**TECHNOLOGIES**                React, Node.js, Firebase, MySQL

**PROJECTS**                      **Coffee, Anyone?** – An iOS dating application built with SwiftUI 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 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.