

# Nicholas Schaffner

## Software Developer

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GitHub: [github.com/nschaffner](https://github.com/nschaffner)

Website: [nschaffner.github.io](https://nschaffner.github.io)

### EDUCATION

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#### 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

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#### LANGUAGES

**Proficient:** C++, C, Python, SwiftUI

**Familiar:** JavaScript, Swift, SQL

#### TECHNOLOGIES

#### 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.

**Smallsh** – 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 a user 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.

**One-Time Pad (OTP)** – 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

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 the 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.