

# WILLIAM CHUNG

SOFTWARE DEVELOPER

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- ✉ [wchung19@usc.edu](mailto:wchung19@usc.edu)
- 🌐 <https://whaleiam.github.io/portfolio/>

## Profile

Hello, my name is William Chung, and I am currently a student at the University of Southern California working towards a degree in Computer Science.

## Employment

### CSCI 103 CP

Jan 2022 - May 2022

Course Producer

Was a course producer for CSCI 103, the intermediate C++ course provided by USC as part of CS matriculation. Maintained roughly 13 hours weekly for office hours, and helped debug multiple assignments with valgrind for various students.

### Bottle Gods

Aug 2020 - June 2021

Web Developer

Was a full-stack web developer for Bottle Gods, a local clothes business launched in the Santa Clarita area. Mainly developed the front end of their website using WordPress and PHP, whilst configuring back end functionality using SQL and Java with the website being hosted via Bluehost.

## Education

### University of Southern California

2020-present

Bachelor's Degree in Computer Science

**Coursework:** Artificial Intelligence, Machine Learning, Database Management, Software Testing & Verification, Computer Systems

### College of the Canyons

2018-2020

Associate's Degree in Economics

**Coursework:** Economics, Business Statistics

## Projects

### Best-Match

Best-Match is a console based application utilizing Linux sockets to find the best possible matchings. Two client programs take in a name from the command line, and are sent directly to a server. Through

the usage of sockets, multiple server programs communicate with one another to provide the two clients with a calculated compatibility. [C++](#), [Makefile](#)

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## Basic Interpreter

Basic Interpreter is, as the name entails, a console based Interpreter of the high-level programming language BASIC. The program takes in a file with BASIC syntax, and outputs the correct output of the sequence of BASIC code. [C++](#), [Makefile](#)

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## Listen Up

Listen Up is a reactive website that acts as a social media platform specifically for discussing current music. The website uses the Spotify API to gather information on various tracks and albums, MySQL to store user information as well as each page's album display, and uses sockets to implement a chat program integrated into the website's functionality. [HTML](#), [CSS](#), [Java](#), [Javascript](#), [MySQL](#), [XML](#)

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## Tip Calculator

A very simple iOS application compatible with iOS 10 and above to calculate tip. The app takes into consideration multiple members within a party, and calculate a split bill accordingly. [Swift](#)

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## Quick Chat

A messaging app on iOS that sets a timer to user response to any message. If the user is unable to reply within the allotted time set by the sender, the receiver loses a point, and the sender gains a point. Uses Firebase to store user messages as well as their personal information. (Currently unavailable due to migration from Firebase Database to Firestore). [Swift](#), [Firestore](#), [Firebase Authentication](#)

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### Languages

HTML	Java	C/C++
CSS	SQL	C#
Javascript	PHP	Python
		Swift

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### Technologies

Unity	Firebase	Conda
Blender	AWS	Github
Maya	MongoDB	Django
Unreal Engine	MySQL	Node JS
		React