

# CONNIE LUONG

---

## EDUCATION

June 2020 **University of California, San Diego** — *B.S. Computer Science*

Provost's Honors, GPA - 3.684

## EXPERIENCE

Aug - Sept 2016 **UCSD Summer Program for Incoming Students (SPIS)**

- Studied various usage of Python, Unix, and Algorithmic problem solving methods
- Worked with a partner to experiment with image manipulation, data analysis and plotting, and web applications using Python

## PROJECTS

Aug - Sept 2016 **Maze Solver** — *Python*

- Built robot run by Raspberry Pi 3 that utilizes line sensors to navigate maze smoothly
- Used finite-state machine to determine the moves robot need to take in various situations
- Implemented binary tree and breadth-first search to aid robot in finding the shortest way out of maze

Jan - Mar 2017 **Numbers** — *Java*

- Users play game by using keyboard arrow keys to combine numbers and reach a score based on their current level
- Based on game 2048 where users aim to reach score of 2048 using similar playing methods
- Implemented class-learned concepts of graphical user interface (GUI) so users can visually see game in action

May 2017 **Spell Checker** — *Java*

- Checks if each word is spelled correctly and returns suggestions if word is spelled incorrectly
- Implemented class-learned concepts of hash tables

## CLASSES TAKEN

Java Programming I (CSE8A): A  
Java Programming II (CSE8B): A  
Data Structures (CSE12): A  
Terminal, Shell Scripting, Software Tools (CSE15L): A  
Discrete Math (CSE20): B  
Algorithms and Systems Analysis (CSE21): B+  
Computer Organization & Systems Program (CSE30): A

## SKILLS

Java (intermediate), C (intermediate), Python (intermediate), HTML/CSS (intermediate), Shell Scripting (intermediate), JavaScript (beginner)