

Chih-Chieh Lee

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EDUCATION

California Institute of Technology, Computer Science, 3.9

Expected Graduation: June, 2019

- Relevant Coursework: Intro to Computer Programming, Decidability and Tractability, Learning Systems, Intro to Discrete Mathematics, Intro to Programming Methods, Fundamentals of Computer Programming, Intro to Computing Systems, Intro to Algorithms, Computer Language Labs (C, C++, JavaScript)
- Activities: Avery Ski Trip Planning, Avery Interhouse Art Team,
- Honors: South Central Scholar, Zenith Scholar, Phelps Forward Scholar

University of Edinburgh, Informatics

Study Abroad, September – Present

EXPERIENCE

Zenith Insurance

Los Angeles, CA

Information Technology Summer Intern

June – September 2017

- Participated in the development of ZConnect, the Android and iOS mobile apps that facilitate the communication between injured worker and examiner
- Implemented the mock-up of activity tracker and achievements as a gamification idea in Android Studio
- Efficiently identified and resolved issues in app by detecting bugs and enhancing existing features

Athena Hacks

Los Angeles, CA

Mobile Game Development Winner

April 2017

- Designed and implemented an Android game in Unity that simulates apartment-living experience through a collection of mini games including Laundry Explosion, Fridge Purge, and Cockroach Infestation
- Create game sprites including apartment background and start scene with Photoshop

Othello Artificial Intelligence Bot

Los Angeles, CA

CS 2: Introduction to Programming Methods

March 2017

- Developed an artificial intelligence bot in C++ that is capable of playing a game of Othello while maximizing the chance of winning and ensuring valid steps
- Integrated the use of minimax search algorithm with alpha-beta pruning for game decision making
- Experimented with simple algorithm using board weights as an indicator for better game moves

Klotski: Sliding Block Puzzle

Los Angeles, CA

CS 4: Fundamentals of Computer Programming

March 2017

- Constructed a simple game of Klotski in Ocaml using built-in map and set modules
- Implemented Klotski solvers based on breath-first search and depth-first search

Hsieh Research Group

Los Angeles, CA

Undergrad Researcher

June – September 2016

- Improved data analysis efficiency by developing a Matlab program dedicated to organizing experimental data and displaying observable trends across multiple experiments
- Engineered a new pump-probe spectroscopy setup with adjustable probe laser pulses

ADDITIONAL SKILLS

- Computer Languages: C, C++, Python, Ocaml, JavaScript, HTML, CSS, Java, SQL
- Languages: Fluent in English and Chinese