

Evan Chang

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Education

University of California, San Diego

Bachelor of Science, Mathematics-Computer Science

SEPTEMBER 2016 - JUNE 2020

Cumulative GPA: 3.494

Junior Standing

Relevant Coursework

COMPUTER SCIENCE

Object-Oriented Programming, Data Structures, Software Tools and Techniques, Discrete Mathematics, Computer Organization and Systems Programming, Algorithms (on-going)

MATHEMATICS

Linear Algebra, Calculus and Analytic Geometry, Differential Equations, Vector Calculus, Mathematical Reasoning, Combinatorics, Statistical Methods, Modern Algebra (on-going)

COGNITIVE SCIENCE

Introduction to Data Science, Data Science in Practice

Skills

- Proficient at Java, Python, C, C++, Unix, and vim.
- Experience in ARM architecture, BASH, html, css, gdb, git, adb, MATLAB, Photoshop, Word, Excel, and Powerpoint.

Work Experience

Robosion

JULY 2018 - SEPTEMBER

2018

Software Development Consultant

- Trained natural language processing AI (Wit.AI, Amazon Lex, DialogFlow) to understand a user for English teaching robot.
- Developed games and conversations for robot in Android Studio.
- Created and organized spreadsheets and SQLite database for robot's content.
- Managed two writers to create content for robot.

Projects

Egyptian Ratslap Java Application

- Replicated the card game Egyptian Ratslap for two players in Java with a GUI.

YouTube Trending Videos Exploration

- Worked in a team to find how videos go trending on Youtube through correlations between videos.
- Cleaned, scraped, and analyzed publicly accessible data on YouTube's trending videos.

Awards

Meritorious Award in High School Mathematical Contest in Modeling (HiMCM)

36 hour team-based competition that prompts students to create mathematical models to solve real-world problems. Created a mathematical equation to find the amount of time it takes for a train full of people to exit a station.