

Eugene Luo

Contact

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<https://github.com/eyluo>
<https://eyluo.github.io>

Skills

Languages:

- C
- Python
- SML
- JavaScript
- Scala
- SQL
- SystemVerilog

Tools:

- Git + GitHub
- GDB
- bash
- macOS
- Linux
- React
- Scio
- GraphQL

Coursework

Completed:

- 15-213: Introduction to Computer Systems
- 15-150: Principles of Functional Programming
- 18-240: Structure/Design of Digital Systems

Current:

- 18-349: Introduction to Embedded Systems
- 15-210: Parallel & Sequential Data Structures & Algorithms
- 18-290: Signals & Systems

Education

Carnegie Mellon University | Pittsburgh, PA

B.S. Electrical & Computer Engineering

Additional Minor in Business Administration

GPA: 3.74/4.00

- College of Engineering Dean's List F16 S17
- UAA All-Academic Recognition

Expected Graduation

May 20

Experience

Software Engineering Intern

Honey Science Corporation | Los Angeles, CA

- Worked with backend data engineering team to standardize store information for GCloud Spanner tables and data pipelines.
- Determined standard for data quality for web-scraped store information by running SQL queries and working with systems quality team.
- Updated React website components to access new GraphQL APIs.

May 18 - Aug 18

Teaching Assistant: 15-213 Introduction to Computer Systems

Carnegie Mellon University | Pittsburgh, PA

- Taught computer system concepts including machine code, memory allocation, processes and threading to 60+ students in recitations.
- Led large group review sessions of 100+ people for C principles and exams.

Aug 18 - Present

Teaching Assistant: 15-112 Fundamentals of Programming & CS

Carnegie Mellon University | Pittsburgh, PA

- Mentored 50+ students over two semesters in project design.

Jan 17 - May 18

Frontend Developer

Carnegie Mellon Computer Science Academy | Pittsburgh, PA

- Worked with design team to write frontend IDE components.

Aug 17 - Dec 17

Projects

GigHub Concert Planner

- Built a web-app using Flask and Bootstrap to search for concerts by artists and provide transportation/lodging options via Google Maps and Bandsintown APIs.

Feb 18

TrailerVR

- Developed a mobile app with Google Cardboard and Vuforia API to project a film's info and trailer onto a poster of the film.
- F16 Hack112 Grand Prize.

Nov 16

Activities

Varsity Swimmer

Carnegie Mellon University

- 2017 UAA Conference Team Member.

Aug 16 - Present

President

Plaidvocates

- Organized wellness events for student-athlete community.

Aug 17 - Present

Student Advisory Council Chair

Electrical & Computer Engineering Department

- Organized destress events and town hall for ECE Department.

Aug 18 - Present