EUGENE LUO

CONTACT

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SKILLS

LANGUAGES	TECHNICAL
C	Git/GitHub
Python	React
SML	Scio
JavaScript	GraphQL
Scala	Apache Beam
SQL	HTML/CSS
SystemVerilog	jQuery

COURSEWORK

RELEVANT

15-213: Introduction to Computer Systems

15-150: Principles of Functional Programming

15-122: Principles of Imperative Programming

18-240: Structure & Design of Digital Systems

UPCOMING

15-210: Parallel & Sequential Data Structures & Algorithms

18-349: Introduction to Embedded Systems

18-290: Signals & Systems

AWARDS

College of Engineering Dean's List — Aug. 2017
Carnegie Mellon University
Awarded to students in the College of Engineering with at least a GPA of 3.75/4.00 or above.

UAA All-Academic Recognition — April 2018
University Athletic Association
Awarded to student-athletes in the UAA Conference with at least a year of study and a GPA of 3.30/4.00 or above.

1st Place Hack112 Hackathon — Nov. 2016
15-112
Received grand prize at Hack112 for TrailerVR.

EDUCATION

Carnegie Mellon University
B.S. Electrical & Computer Engineering
Additional Minor in Business Administration
May 2020
GPA: 3.74/4.00

EXPERIENCE

Honey Science Corporation — Los Angeles, CA
Software Engineering Intern — May 2018 - Aug. 2018
Worked primarily with Honey's Product Team covering website and mobile development.
Worked in the frontend by updating website React components to hit new GraphQL API endpoints for both Droplist and search functionality.
Worked in the backend by coordinating with systems quality team to centralize store information in Google Cloud Spanner. This was accomplished by **analyzing data in SQL** to identify flaws with observed data, **writing shell scripts** to update existing table schemas and populate information, and **modifying data pipelines in Scala and the Scio wrapper** to fetch new information from updated tables.

Carnegie Mellon School of Computer Science — Pittsburgh, PA
Teaching Assistant for 15-213: Introduction to Computer Systems — Aug. 2018 - Present
Taught basic computer system concepts, including data representation, assembly, caching, processes, memory allocation, networking and threading by holding recitations, office hours, and review sessions.

Teaching Assistant for 15-112: Fundamentals of Programming & CS — Pittsburgh, PA — Jan. 2017 - May 2018
Taught foundational elements of programming, including big-O, graphics, recursion, object-oriented programming, top-down design and computational thinking in recitations and group review sessions.
Mentored 50+ students over the course of two semesters on project design for final term project and Hack112 hackathon.

Frontend Developer for Computer Science Academy — Pittsburgh, PA — Aug. 2017 - Dec. 2017
Developed navigational and sidebar components for CS Academy's pilot program.
Worked with design team to build prototype IDE components using React, Redux and Bootstrap.

PROJECTS

GigHub Concert Planner — Feb. 2018
Built a webapp to search for musicians, find nearby venues, and get options for traveling and lodging.
Frontend built in Bootstrap and backend utilized Google Maps & Bandsintown APIs, with both ends connected via Flask.

TrailerVR — Nov. 2016
Built a program that uses Google Cardboard and Unity Engine with the Vuforia API to project a movie's trailer, cast, and other information onto a poster of the film in virtual reality. Won First Place at Fall 16 Hack112.

ACTIVITIES

Carnegie Mellon Varsity Swimming & Diving Team — Aug. 2016 - Present
Traveling Member
Competed at the Division III level of NCAA for two years.
Scored for Carnegie Mellon's 2017 UAA Conference Team.

Plaidvocates — Aug. 2017 - Present
President
Served as a liaison between sports medicine department and student-athlete community to promote general wellness, positive team culture, and healthy relationships.
Organized Labor Day Sexual Assault Prevention workshop and other informational seminars for student-athletes to help them better understand their roles as leader on campus.

ECE Student Advisory Council — Aug. 2018 - Present
SAC Chair
Planned town halls, pride day, and destress events for ECE students, faculty and staff to improve the ECE experience.

Orientation — Aug. 2017 - Present
Orientation Counselor
Provided mentorship and guidance to incoming first-year students by holding social events and informational seminars.