Grace Yu

graceyyu@gmail.com | 703.300.0741

EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S. Computer Science
December 2019 | Pittsburgh, PA
Minor in Mathematical Sciences

COURSEWORK

(15-455) Undergraduate Complexity Theory
(15-451) Algorithm Design and Analysis
(15-440) Distributed Systems
(15-312) Foundations of Programming Languages
(10-601) Machine Learning (Master's)
(21-301) Combinatorics
(15-150) Functional Programming

SKILLS

Java • Python • C • JavaScript
OCaml • SML • LaTeX

RESEARCH

CYLAB INSTITUTE | CMU

Aug. 2018 - Dec. 2018 | Pittsburgh, PA
Converted semantics for secure multi-execution with stateful declassification into OCaml specifications to implement information flow control as a browser security solution.

EHEART LAB | CMU

Jan. 2018 - May 2018 | Pittsburgh, PA
Investigated and analyzed the effect hate speech rebukes on Reddit with fuzzy kappa techniques. Built large-scale Reddit scrapers and created hate speech response generators using RNNs and Markov models.

LINKS

Github:// **gyyu**
LinkedIn:// **gyyu00**

EXPERIENCE

RIOT GAMES | Associate Software Engineer

Jan. 2020 - Present | Los Angeles, CA

RIOT GAMES | Software Engineering Intern

May 2019 - Aug. 2019 | Los Angeles, CA
- Built a new home page for the League of Legends Esports website that ingested VODs, articles, and videos
- Helped set up endpoints for regional content on the home page from the CMS
- Assisted in migrating metrics to a new monitoring system
- Maintained the League of Legends watch platform for thousands of concurrent weekly viewers

CARNEGIE MELLON UNIVERSITY

Head Teaching Assistant (Spring 2019) | Teaching Assistant (15-150) Functional Programming

Jan. 2018 - May 2019 | Pittsburgh, PA
- Taught three hours of weekly lab sections for over 60 students
- Held three hours of weekly office hours
- Wrote and tested student assignments
- Manage course infrastructure and autograder for a 300+ person class

UBER ATG | Software Engineering Intern

May 2018 - Aug. 2018 | Pittsburgh, PA
- Designed and created an implementation-agnostic scenario format to facilitate collaboration for autonomous vehicle testing
- Defined scenarios for pedestrian jaywalking tests
- Implemented and designed an algorithm to bidirectionally translate localized coordinates to global positions

EXTRACURRICULARS

SCS DAY | Head (May 2018 - May 2019), Treasurer

Aug. 2017 - Dec. 2019 | Pittsburgh, PA
- Organized and hosted the School of Computer Science's annual pride day for more than five hundred attendees
- Planned an art gallery, talent show, and events by technology-related student organizations
- Budgeted catering, stage tech and crew materials, and swag items
- Collaborated with the Assistant Dean to receive funding from sponsors

CMU DEBATE TEAM | President

Mar. 2017 - Dec. 2019 | Pittsburgh, PA
- Expanded the team from single digit attendance to more than forty members
- Coached the team to multiple breaks and speaker awards at national tournaments
- Organized biweekly trips to tournaments
- Managed the team's financial accounts to a surplus
- Planned and hosted a national debate tournament with 70+ attendees