

## Grace Yu

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## 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 •  $\text{\LaTeX}$ 

## 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