

Grace Yu

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EDUCATION

CARNEGIE MELLON UNIVERSITY**B.S. COMPUTER SCIENCE**Expected May 2020 | Pittsburgh, PA
Minor in Mathematical Sciences

COURSEWORK

(15-410) Operating Systems*
(15-354) Computational Discrete Mathematics*
(15-451) Algorithm Design and Analysis
(15-440) Distributed Systems
(15-312) Foundations of Programming Languages
(10-601) Machine Learning (Master's)
(* denotes in progress)

SKILLS

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

RESEARCH

CYLAB INSTITUTE | CMUAug. 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 | 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 - PRESENT), TREASURER

Aug. 2017 - Present | 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 - Present | 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