

# Mark Lalor

markwlalor@gmail.com • linkedin.com/in/marklalom • github.com/marklalom

## EDUCATION

---

**Case Western Reserve University** SEP 2016 – DEC 2019

Bachelor of Science in Computer Science GPA: 3.74

CLASSES: Algorithms, Data Structures, Computer Security, Computer Networks, Software Defined Networks, Databases, Operating Systems, Programming Language Concepts, Artificial Intelligence, Graph Theory

## WORK EXPERIENCE

---

SOFTWARE ENGINEER INTERN | Asana

MAY 2019 – AUG 2019 | San Francisco, CA

- Worked on data loading frameworks and abstractions for product teams.
- Reduced build times for engineers by identifying and restructuring problematic compilation targets.

RESEARCH ASSISTANT | Case School of Engineering, Rabinovich Lab

SEP 2018 – DEC 2018 | Cleveland, OH

- Conducted a measurement of the adoption of the EDNS Client Subnet (ECS) extension to DNS.
- Assessed the utility of the ECS extension for distributed platforms scanning.

SOFTWARE ENGINEER INTERN | MIM Software

MAY 2018 – AUG 2018 | Beachwood, OH

- Designed a multi-factor authentication framework for an existing cloud software suite.
- Implemented options for time-based one-time passwords, SMS messages, and backup codes.

TEACHING ASSISTANT (INTRO TO JAVA) | Case School of Engineering

SEP 2017 – DEC 2017 | Cleveland, OH

- Led two lab sections per week, assisting students completing the assignments.
- Held a weekly office hour with a mini-lesson and project discussion.
- Graded and provided feedback on lab assignments and projects.

SOFTWARE ENGINEER INTERN | MIM Software

MAY 2017 – AUG 2017 | Beachwood, OH

- Created new viewer/editor for DICOM (medical image) files that interfaces with main software.
- Maintained existing software components through version control and code review.

## LEADERSHIP AND CLUBS

---

- *Hacker Society Maintainer*: Organize weekly tech talks on campus. Reach out to current students as well as industry professionals and alumni to give talks.
- *CWRU ACM*: Plan, manage, and volunteer for events that teach and support CS on campus. Provide guidance in regards to classes, the computer science department, and careers.
- *Vietnamese Student Association*: Promote Vietnamese culture on campus and the Cleveland community by helping with events. Was a mentor for a mentor/mentee program for new students.

## SKILLS

---

PROGRAMMING LANGUAGES: Python, Java, Scala, Typescript, C, SQL, GraphQL

SOFTWARE AND FRAMEWORKS: Git, Linux, Bazel, React, Redis

## PROJECTS

---

- *PLC Interpreter*: Interpreter for a Java-like programming language with constructs such as objects, polymorphism, loops, recursion, and nested functions. Project in Programming Language Concepts.
- *Clanvas*: Command-line client for the Canvas learning management system. Uses the Canvas HTTP API to generate grade summaries, list assignments, and download course files.
- *Canvasapi and Cmd2*: Open-source libraries used in Clanvas.