Mark Lalor

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EDUCATION

Case Western Reserve University   SEP 2016 – DEC 2019
Bachelor of Science in Computer Science   GPA: 3.74

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

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN | Asana
MAY 2019 – PRESENT | San Francisco, CA

- Worked on frameworks and abstractions that product teams use for data loading.
- Reduced build times for product teams by restructuring large compilation targets related to the data model framework.

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

- Implemented multi-factor authentication for an existing cloud software suite.
- Added options for time-based one-time passwords, SMS messages, and backup codes.
- Created new server-side services and added new HTTP endpoints for clients.

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. Volunteered for a mentor/mentee program for new students.

SKILLS

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