Alexander Lawlor, Software Engineer

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LINKS

github.com/aleclawlor, linkedin.com/in/aleclawlor, aleclawlor.com

EMPLOYMENT HISTORY

Sep 2019 — Present

Teacher's Assistant, Boston College

Chestnut Hill, MA

- Hold weekly office hours in order to solidify students' understanding of programming concepts and resolve bugs in students' homework assignments
- Develop lesson plans for and lead weekly discussion groups consisting of material supplementary to the ideas learned by students in class
- Design and implement unit tests in order to automate the grading of students' homework assignments and test for bugs and edge cases in programs

May 2021 — Aug 2021

Software Engineer Intern, Commonwealth Financial Network

Waltham, MA

- Refactored legacy VB.NET applications into full-stack web applications that consisted of a React front end and C# back end
- Developed utility scripts for coworkers in order to increase efficiency among team members, automate repetitive tasks, and solve day-to-day challenges faced by the business
- Documented and evaluated success and coordinated project-related responsibilities within a team of seven people during daily SCRUM meetings

Jan 2020 — Sep 2020

Software Engineer Intern, Cariina Inc.

Boston, MA

- Led product development on SecureVision, a full-stack web application that implements license plate recognition in order to identify license plates of cars entering schools
- Utilized web hooks in order to ensure the consistency of data sharing between disjoint applications running on separate servers
- Wrote and refined Computer Vision pipelines in Python in order to perform license plate recognition on image data obtained from live video feeds
- Developed and evaluated Machine Learning and Deep Learning models in Python and PyTorch in order to perform optical character recognition on segmented pictures of license plates

EDUCATION

Aug 2018 — May 2022

Boston College

Chestnut Hill, MA

Bachelor of Science in Computer Science, Minor in Mathematics 2018-2022

Major GPA: 3.53/4.00

Relevant Coursework: Data Science, Data Visualization, Computer Vision, Computer Networks, Algorithms, Statistics, Probability, Linear Algebra, Multivariate Calculus, Combinatorics

TECHNOLOGY SKILLS

- Python
- JavaScript
- Java
- React
- React Native
- Node.js
- HTML & CSS
- Git
- MongoDB
- MySQL
- Anaconda
- PyTorch
- d3.js
- Adobe Creative Suite
- Microsoft Excel

SOFT SKILLS

Communication and Collaboration

Problem Solving

Leadership

Attention To Detail

Self-management