Alexander Lawlor, Software Engineer

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LINKS

github.com/aleclawlor, linkedin.com/in/aleclawlor, www.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	MongoDB	Amazon Web Services
JavaScript	SQL	Adobe Creative Cloud
Java	R	Microsoft Excel
React	Anaconda	
React Native	PyTorch	
Node.js	d3.js	
HTML & CSS	Tableau	
Git	Docker	

SOFT SKILLS

Communication and Collaboration

Problem Solving

Leadership

Attention To Detail

Self-management