Samuel Tomlinson

samuelptomlinson@gmail.com | (310) 957-1470 | www.samuelptomlinson.com

Education

Northeastern University, Boston, MA   *Sept. 2020-Present*
- Khoury College of Computer Sciences
- Bachelor of Science and Candidate for Master of Science in Computer Science, exp. 2024
- GPA: 3.9/4.0, Dean's List

Relevant Courses: Algorithms (Graduate level), Mobile App Development (Graduate Level) Computer Systems (Graduate level), Web Development (Graduate Level), Object Oriented Design, Human Centered Computing, Networks and Distributed System, Cybersecurity

Activites: Overwatch Team (eSports VP), Fiction Addiction Book Club

Technical Expertise

Languages: Java, JavaScript, HTML/CSS, SCSS, Ruby on Rails, C#, C, Python, SQL, Powershell, UserScript, DAX, LUA, ACL2

Certifications: Six Sigma Yellow Belt, Microsoft SC-900: Security, Compliance, and Identity Fundamentals

Tools: NodeJS, React, Angular, Active Record, Firebase, PostgreSQL, ETL, ELT, Git Version Control, Stimulus, ExpressJS, Google Script, Jenkins, TypeScript, Open AI, Gymnasium, SB3, PyTorch, Jest, PowerBI, Visual Studio, Postman, Generative AI, Nginx, Active Directory, System Center Configuration Manager, Samanage Solar Winds, Unity, Photoshop, Microsoft Office Suite, Acrobat, Google Suite, IntelliJ, Eclipse, Atom, PowerShell ISE

Projects

Stock AI Reinforcement Q Learner   *January - June 2024*
- Trained models using OpenAI Gymnasium and Reinforcement Learning to predict stock fluctuations.
- Integrated ETL pipeline using python interacting with Interactive Brokers data stream.
- Built a dashboard using Javascript and MatplotLib to monitor and compare model progress.

CookCraft   *August 2021 - August 2023*
- Constructed a web app that handles day to day food management.
- Used AngularJS to build a frontend to manage and record the contents of my pantry and fridge.
- Created a recipe book with an interface that assists in deciding on dinner using a tournament style process

Work Experience

Smartleaf Inc., Hybrid/Boston, MA   *January 2023 - July 2023*
Full Stack Software Engineer   *(Full-Time)*
- Optimized Active Record database retrieval calls to speed up page load times by 12%.
- Created a JavaScript utility that rebuilds the HTML of web pages allowing for more aesthetically pleasing page-breaks when printing client facing reports.
- Collaborated with a team of 9 in an Agile, Ruby on Rails full stack work environment, boosting sprint capacity by 20%.

Harbourvest Partners, Hybrid/Boston, MA   *January 2022 - August 2022*
Technical Support Specialist   *(Full-Time)*
- Automated repetitive tasks for the technical support team, including license deprovisioning upon departure, new hire license provisioning, and approval management.
- Created a visual interface to display real time details about our current working queue

Academics ETC., Virtual   *August 2019 - January 2024*
Tutor
- Tutor one-on-one undergraduate computer science as well as first year math and chemistry
- Assist in the transition from in-person to online tutoring during the COVID-19 pandemic

Interests

Cooking, Team-Oriented Video Games, Rock Climbing, Surfing, Reading