Tyler H. Lin

Ellicott City, MD
https://tylerl.in

(443) 766–2143
tylerlin@gatech.edu
https://www.linkedin.com/in/tylerhlin

Education

Georgia Institute of Technology | Atlanta, GA   Aug. 2021 – May 2024
Bachelor of Science in Computer Science   *GPA 4.00*
- **Coursework:** Data Structures and Algorithms, Computer Organization and Programming, Design and Analysis of Algorithms, Objects and Design, Systems and Networks, Computer Graphics, Database Systems

Experience

JPMorgan Chase & Co. | Wilmington, DE   Jun. 2023 – Aug. 2023
Software Engineering Intern
- Refactor and redesign the internal financial reporting infrastructure portal using React and Spring Boot to support a micro-frontend architecture and enable more efficient internal firmwide quarterly financial reviews
- Deploy the portal using AWS with measures taken to support continuous integration, logging, and testing

MathWorks | Natick, MA   May 2022 – Aug. 2022
Software Engineering Intern
- Instrumented the ThingSpeak IoT analytics platform with Prometheus metrics using Ruby to observe 30+ million API requests/day and visualized excess request trends using PromQL queries and Grafana
- Conceived and implemented logic changes for a Ruby on Rails API controller action that handles 300+ requests/sec., resulting in a 40% increase in max throughput and 70% decreases in p99 and max latencies

Georgia Tech Professional Education | Atlanta, GA   Jan. 2022 – Present
Application Development Student Assistant
- Migrate terabytes of data from file shares to Microsoft SharePoint libraries/lists using Bash and PowerShell
- Developed an app to expedite employee ramp-up by presenting onboarding checklists to employees and team progress to managers while integrating permissions and tasks with Office/Outlook using Microsoft Power Fx

Projects

Attendance for Google Meet™ | *JavaScript, HTML, CSS, Material Design*   2020 – Present
- Open–source Google Chrome extension with over 20,000 users from more than 100 countries that automates attendance tracking in Google Meets by proxying internal Meet functions using JavaScript
- Integrates an accessible attendance interface into the Meet layout and exports organized logs to Google Sheets
- Awarded a Featured badge by the Google Chrome Web Store team for "follow[ing] [their] technical best practices and meet[ing] a high standard of user experience and design"

Yellow Jackets Basketball Performance Intelligence Platform | *React, Node.js, Express.js*   2023 – Present
- Dynamic dashboard made for Georgia Tech men's basketball coaches that aggregates and visualizes athlete-specific performance metrics from drills and games to help optimize player conditioning and health
- Features custom React visualizations that read real-time data from Kinexon sensors via an Express.js API

meetoo | *Dart, Flutter, PostgreSQL*   2023 – Present
- Social app made using Flutter to facilitate meetups between friends through a scheduling interface that indicates when attendees are available by connecting to the APIs of popular online calendars via OAuth 2.0
- Supports a meeting timeline and friend system backed by a PostgreSQL database secured by RLS policies

Skills

Languages: JavaScript (ES12), HTML, CSS, Dart, Java, Python, SQL, Ruby, Bash, PowerShell, LaTeX

Tools: Git, Node.js, React, Flutter, Ruby on Rails, Spring Boot, PostgreSQL, Docker, Linux, Splunk, Prometheus

Concepts: Web Development, Database Design, OOP, FP, Asynchrony, TDD, CI/CD, HTTP, REST, Agile