Alessio Symons

 github.com/asymons   linkedin.com/in/alessiosymons   asymons.ca   alessiosymons@gmail.com

Education
University of Waterloo (Sept '16 – '21) Bachelor of Computer Science

Skills
Languages: Java, Javascript, Typescript, Kotlin, C, C++, HTML, CSS/SASS
Other: React, Node.js, SQL, NoSQL(MongoDB, Firebase), Redux, GraphQL, Git

Work Experience
Software Engineering Intern | Connected Lab   Jan – April '18
- Engineered web solutions using React, Oracle SQL and Spring Boot (Java)
- Managed caching and reduced required storage from 3700KB to 1200KB.
- Implemented and refactored major components by adding pagination, infinite scrolling, higher order components and visualized over 100,000 data points

Developer Intern | Toronto Dominion Bank (TD)   May – Aug '17
- Developed Android apps in Java/Kotlin, explored new tech and platforms
- Worked on a cross-platform real-time chat service using Firebase
- Configured the user onboarding process which modeled and visualized personalized financial projections up to 30 years

Web Developer Intern | Soundscape Engineering   Sept – Dec '16
- Formed components to display real-time sensor data with d3.js and MySQL
- Optimized front-end to reduce graph load times from 4s to 1s
- Decreased back-end load time from 15s to 2s with data clustering

Projects

Interviewtracker.ca | Interview Tracking Website
- Designed and developed a website in React to track job application statuses, organize recruiter information and schedule interviews
- Integrated Google Calendar, Google Maps, and a Geocoder to improve UX and increase user ratings
- Implemented a csv parser which enables batch adding recruiters and notifies the user about specific missing columns and cells

1v1memid | League of Legends Game Mode Website
- Built a website in React, Node.JS, GraphQL and MongoDB to track and match League of Legends players to compete against each other
- Powered matchmaking with an algorithm to pair users and place them in a game room with real-time chat in under 1s
- Utilized GraphQL with Apollo to interface the front-end with the back-end eliminating all over-fetching requests and setting up web socket subscriptions

VM | Vim Clone
- Created a vim clone (text editor) with over 40 supported commands and enhancements such as regex search, syntax highlighting and linear history.
- Finished VM within 3 weeks in C++ with an included a test suite of all commands and compounded commands