Tarik Eshaq

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TECHNICAL SKILLS

- Programming Languages: Go, Rust, JavaScript, Python, C, C++, Java
- Other technologies: Git & Github, PostgreSQL, MongoDB, Node.JS, Docker, Jenkins, Jira, React, Redux, gRPC, REST, Service Workers, IndexedDB, WebAssembly

EXPERIENCE

University of British Columbia   **Vancouver, BC**
Computer Science Teaching Assistant   *July 2019 – Current*
- Working 12 hours a week leading labs and office hours for CPSC 213 (Introduction to Computer Systems)
- Teaching students about the basics of Systems Programming, C, Assembly and the fundamentals of Asynchronous, Concurrent and Parallel programming

SAP   **Vancouver, BC**
Software Developer Intern   *Sept 2018 - May 2019*
- Worked directly on the SAP Analytics Cloud improving the dashboards and writing new features to serve the product's thousands of corporate customers
- Capitalized on modern browser technologies like Service Workers, Worker Threads and IndexedDB with JavaScript ES6 to hit the application's yearly performance goal of improving the load time by five times
- Wrote and unit tested a widget using React, Redux and TypeScript that is currently adopted as a standard for implementing other widgets across the product in multiple offices around the world
- Represented over 180 interns at SAP as an Intern Committee member, planning social events

PROJECTS

Tic-Tac-Rust   *June 2019 - Current*
- Utilized Rust's ownership, borrowing and lifetime features to create a memory safe and fast game manager
- Compiled the game manager as WebAssembly, published it to NPM and then used it on my own personal website's homepage as a fully functional Tic-Tac-Toe game
- Technologies Used: Rust, WebAssembly, NPM, JavaScript ES6

GoChat   *June 2019 – August 2019*
- Built a fully functional chat application that utilized gRPC and Protocol Buffers to communicate between different users users using bidirectional streaming
- Containerized the application using Docker and deployed it as my own private chat application
- Technologies Used: Go, gRPC, Docker

Interv-You (Academic)   *May 2019 – June 2019*
- Built a full stack web application that helps interviewers and applicants schedule interviews
- Technologies Used: Go, PostgreSQL, JavaScript ES6, Next.JS, React

Elo-Pool   *Nov 2018*
- Built a application that maintains an ELO based ranking for Pool and Ping Pong at SAP and used Slack's API to declare wins and losses
- Shared the application with over 180 interns at SAP and received good feedback
- Technologies Used: JavaScript ES6, Node.JS, Express.JS, MongoDB, REST APIs

EDUCATION

University of British Columbia   **Vancouver, BC**
Combined Major in Computer Science and Business, Average: 86%   *Graduation: April 2021*
- Relevant Courses: Basic Algorithms and Data Structures, Introduction to Computer Systems, Software Construction, Introduction to Database Management Systems
- Dean's Honor List for all terms to date at UBC (Over 80%)

ADDITIONAL

- Hackathons: EduHacks, nwHacks, Vancouver Startup Week Hackathon
- Interests: Soccer, Computer Ethics, History