JOSH FRIEDMAN

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Education

2nd year @ Queen's University (B.A.Sc. in Computer Engineering, Innovation Stream)   2021 - Present
Kingston, Ontario   *GPA: 4.16/4.3 (Dean's Scholar)*
- The Innovation stream allows me to combine engineering with courses in entrepreneurship and running your own business
- I also enjoyed courses in Data Structures & Algorithms, Object-Oriented Programming, and Digital Logic (using Quartus)

Technical Skills

I have over **7 years** of **JavaScript** experience, originally self-taught, using **NodeJS** for backends and **ReactJS + TypeScript** for frontends. I have over **5 years** of **HTML/CSS** experience, also self-taught. In fact, I'm so comfortable with it I generate my resume using HTML and CSS! I have about **3 years** of mobile development experience using technologies like **Flutter and React Native**. I have used **Java and C** over the past **3 years** in coursework. I have **3 years** of experience working with several backend technologies including **Firebase, MongoDB, and AWS**. I know these skills are just the beginning, and I am always looking to learn more!

Experience

My full work experience can be seen at linkedin.com/in/joshwfriedman.

Nutripair   California (Remote)
Software Engineering Intern (Full Stack)   *April 2023 - Present*
- Implemented and tested user authentication using Amazing Cognito to authenticate with the rest of the AWS suite
- Improved security measures by implementing multi-factor authentication and federated sign-in with Google, Apple, and Facebook
- Worked with backend engineers to implement a caching layer to reduce loading times by 25%

Software Engineering Intern (Frontend)   *January 2023 - April 2023*
- Worked with senior developers to create an app using TypeScript + React Native to help users find food at nearby restaurants that match their dietary needs
- Using a SCRUM framework, we reduced the open ticket count by over 500 while implementing feedback from 100+ beta testers
- Designed several main pages including the welcome screen and user authentication flow which increased user retention by over 10%

Engineering Society of Queen's University   Kingston, Ontario
Director of Information Technology   *May 2023 - Present*
- Reduced disk usage of our main servers by over 25%, avoiding a potential cost of over $1000 to upgrade the server
- Resolved over 50 security issues across over 20 websites
- Implemented 100+ recurring jobs to backup sites, check security vulnerabilities, and update outdated software

Software Development Team Manager   *September 2022 - April 2023*
- Managed 3 project teams, working on a chrome extension for students, a video game that takes place in a university campus, and a computer vision weightlifting coach, totalling 15 engineers
- Led brainstorming sessions to define project expectations, goals, and desired final product
- Implemented a clear project management and tracking structure using Notion and Slack to ensure each team member contributed to the project and that their learning was supported by others

Projects

Check out more projects at joshfriedman.dev. All source code is available at github.com/jwiggiff.

Iris 🔗
A live transcription and translation tool to help international students learn in their non-native language. Uses AssemblyAI's transcription API, Google Translate's API, and WebSockets for connecting users and sending data. Allows for multiple languages to be translated to in parallel. We won two awards at QHacks 2022.

Jumper 🔗
A platform jumper game that has a new challenge each day. Daily global leaderboard shows usernames with the highest score. Players can compete with each other live and watch each other's characters jump at the same time. Built with Vanilla HTML/CSS, Babel, and using Google Datastore.

Other Interests

There's more to me besides engineering! I have a passion for music, both listening and performing. I am currently part of a pit band for a musical and I ran a charity concert called Covid Creations that raised over $14,000 for Sunnybrook Hospital's Covid Research Fund! I also enjoy martial arts and currently hold my 3rd degree black belt in Karate.