

# Samin Sharar Nafi

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## Skills

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**Languages** Kotlin, Typescript, C++, Python, Java, Racket, HTML/CSS, Groovy, SQL  
**Frameworks** React, Cypress, Redux, Node.js, Express.js  
**Technologies** Android Studio, Git, Docker, Bash, Firebase, Figma, MongoDB Atlas, AWS

## Experience

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### Faire

Waterloo, ON

#### BACKEND ENGINEERING INTERN

Sept 2022 - Dec 2022

- Spearheaded the backend development of event batching functionality on the Faire internal tool, PETE, resulting in a significant increase in system performance and scalability.
- Utilized advanced algorithms and data structures to optimize event batching on PETE, resulting in a notable reduction in API request latency and in server load.
- Worked closely with the frontend team to design and implement an efficient and scalable event batching system for PETE, resulting in a highly performant and reliable tool that is now used by hundreds of Faire employees daily

### Faire

Waterloo, ON

#### SOFTWARE TEST ENGINEERING INTERN

Jan 2022 - Apr 2022

- Implemented a comprehensive suite of Cypress end-to-end tests for multiple features on Faire's platform, ensuring that all critical features were thoroughly tested and any issues were quickly identified and resolved
- Conducted rigorous test specification reviews for 20+ new features and worked closely with the Faire development team to identify potential issues and ensure that new features met the highest standards of quality and reliability
- Performed exploratory testing for Faire's large-scale events, including Faire Winter Market and Faire Fashion Week, utilizing a wide range of advanced testing techniques and tools to identify and prevent potential issues

### Concept by Velocity

Waterloo, ON

#### INFINITE DELUGE PROJECT MEMBER

May 2021 - Aug 2021

- Conducted research about water shortage and irrigation technologies by utilizing databases such as GEOSCAN
- Designed a potential solution (membrane irrigation using nylon films) and prototyped it using Figma
- Drafted a presentation and pitched the idea with team to a panel of judges and won \$500 funding

## Projects

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### Biology Academy: IGCSE, A Level Notes And Past Papers

- Made expert use of SEO and marketing in order to gain 8000+ downloads and a 4.1 rating in Google Play Store
- Facilitated PDF download, storage and view functionality using Android Studio for 300+ notes and past papers
- Prototyped a light themed UI using Figma, adhering to the principles of user centered design and visual heirarchy

### BNCC Streamer

- Used YouTube API to search results from YouTube, and react-youtube to render and play videos
- Set up user authentication including login, registration and logout functionalities using Firebase
- Integrated React Router to enable routing and navigation between component pages without reloads

### Anime Database

- Leveraged Jikan API to search and asynchronously fetch anime images, links and information
- Utilized React Hooks as well as Context for dealing with state and lifecycle methods
- Optimized app by reducing wasted renders, yeilding a 99% performance on Google Lighthouse Audits

## Education

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### University of Waterloo

Waterloo, ON

#### BACHELOR OF COMPUTER SCIENCE

Sept 2020 - Apr 2025 (expected)