

Samin Sharar Nafi

✉️ snafi@uwaterloo.ca | 🏠 agneus.github.io | 🌐 agneus | in saminshararnafi

Skills

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, Linux

Experience

Faire

Waterloo, ON

BACKEND ENGINEERING INTERN

Sept 2022 - Dec 2022

- Spearheaded the backend development of event batching functionality on the Faire internal event tracking tool, PETE, transforming the tool into a mission critical resource used by hundreds of Faire employees daily
- Implemented trailblazing algorithms, advanced data structures, and rigorous tests using Kotlin to optimize event batching on PETE, resulting in a substantial reduction in API request latency and in server load
- Collaborated closely with the frontend team to architect and implement an efficient and intuitive event batching system for PETE, resulting in a significant increase in system performance and scalability

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 engineering 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

Velocity

Waterloo, ON

INNOVATION RESEARCH ASSOCIATE

May 2021 - Aug 2021

- Conducted extensive research on water shortage and irrigation technologies, identifying areas for innovation
- Collaborated with multidisciplinary team to conceptualize solutions for addressing water shortage challenges
- Utilized GEOSCAN and other databases to gather and analyze relevant data, providing valuable insights

Projects

Biology Academy: An Android App

- Used Android Studio to facilitate PDF download, storage and view functionality for 300+ notes and past papers
- Implemented SEO techniques and strategic marketing campaigns driving 8000+ downloads in Google Play Store
- Designed an aesthetically pleasing and intuitive prototype using Figma emphasizing user centered design principles

BNCC Streamer

- Developed a dynamic video streaming application using React that uses the YouTube API to fetch and display videos
- Implemented robust user authentication, including login, registration, and logout features utilizing Firebase
- Integrated React Router to enable smooth navigation and routing between different pages and components

Anime Database

- Developed an database app that uses Jikan API to search and asynchronously fetch anime images and information
- Employed React Hooks and Context to effectively manage state and handle lifecycle methods, ensuring a smooth UI
- Achieved 99% performance on Google Lighthouse Audits by optimizing rendering and enhancing app efficiency

Education

University of Waterloo

Waterloo, ON

BACHELOR OF COMPUTER SCIENCE

Sept 2020 - Apr 2025 (expected)