Noah Nefsky

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Work Experience

Software Engineer Intern | Squint AI, San Francisco   June 2024 – December 2024
- Built a **React-Next.js** procedure management system enabling users to create customized procedures, branch existing procedures into drafts, and track performance - improving operational efficiency and minimizing downtime
- Developed role-based access controls using **React/Node.js/SQL**, where admins can restrict procedures and documents to user groups, enhancing operational modularity and minimizing security risks
- Created document management enabling users to organize folders, upload documents, and extract AI-driven insights to efficiently analyze procedure documents and reports

Software Engineer | PointClickCare, Toronto   September 2023 – January 2024
- Integrated with GPT-3.5 to develop a warning system for patient health records highlighting alarming data to the practitioner, suggesting next steps (additional tests, people to contact, etc.), improving care and responsiveness
- Implemented secure copy/paste, without using the clipboard, hiding PHI from other apps
- Created a typing status indicator using iOS native events to a **Flutter** messaging application
- Built a drug disposal workflow into an **Android** nursing application preventing misuse and loss of medication

Junior Software Developer | GrantMatch, Toronto   May 2023 - August 2023
- Used **LangChain** and past grant data to auto-complete grant application forms, reducing filing from hours to minutes
- Implemented grant request and approval notifications using **Django** and **Vue.js**, improving user responsiveness
- Created web scrapers using **Python** to collect grant information and transform it into usable data

Software Engineer Intern | Thoughtwire, Toronto   May 2022 - August 2022
- Created a **TypeScript** VSCode extension to streamline RDF code navigation and automate project uploads for testing on a virtual machine, saving developers 90% of the time compared to manual methods

Junior Software Engineer | Sparcblock, Toronto   May 2021 - August 2021
- Built a **Windows** application to securely automate accounting updates, enabling the closure of a client deal
- Developed **Java RESTful APIs** to integrate with accounting solutions and automate vendor payments using **Spring Boot**

Education

University of Waterloo, Ontario   September 2020 - April 2025
- Honours Bachelor of Computer Science (co-op) with Economics Minor
- **Courses:** Algorithms, Data Structures, Application Development, Operating Systems, Compilers, Object-Oriented Programming, User Interfaces, Bioinformatics, Functional Programming

Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland   February 2024 - June 2024
- **Master's Level Courses**: Computer Vision, Data Visualization, Economics

Projects

Preesh Rewards **(React native, Firebase, Redux)**
- Single handedly built a mobile rewards application for tracking and utilizing points earned
- Included authentication, redeeming points for gifts, tracking history, saving deals, categorized searching, etc

WLP4 Compiler **(C++)**
- Engineered a compiler for WLP4, a small subset of C++, to generate MIPS assembly code

Stickies++ **(Kotlin, Spring Boot, MVC)**
- Created a notes application like Apple Stickies, including rich-text editing, grouping stickies and state storage

Skills

- **Languages**: Typescript, Python, C++, Java, Kotlin
- **Frontend/Mobile:** React.js, TanStack, Jotai, Flutter, React Native, Redux
- **Backend/Other**: SQL, Node.js, Firebase, Spring Boot, Django, LangChain, Figma