

Noah Nefsky

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Work Experience

Software Engineer Intern | Squint AI, Silicon Valley June 2024 – December 2024

- Built a **React-Next.js** application allowing users to manage factory procedures to log performance
- Worked full-stack to implement role-based access controls, where admins can restrict procedures and documents to user groups, enhancing operational modularity and efficiency

Software Engineer Co-op | PointClickCare, Mississauga September 2023 – January 2024

- Used **LLM APIs** to develop a quick reply feature for messages and a warning system for patient health records in **Flutter**, improving responsive and practitioner-patient awareness
- Built a drug disposal workflow into an **Android** nursing application

Junior Software Developer | GrantMatch, Oakville May 2023 - August 2023

- Leveraged **AI**, **LangChain**, and past grant filing data to automate completion of grant application forms, reducing the process from several hours to minutes
- Implemented grant request and approval notifications using **Django**, enhancing visibility and responsiveness for users

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
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Education

University of Waterloo, Ontario September 2020 - April 2025

- Honours Bachelor of Computer Science (co-op) with Economics Minor
- GPA: 3.7
- **Courses:** Algorithms, Data Structures, App Development, Operating Systems, Compilers, Object-Oriented Programming, User Interfaces, Statistics, Algebra, Calculus, Economics

Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland February 2024 - June 2024

- **Master's Level Courses:** Computer Vision, Data Visualization, Economics
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Skills

- **Languages:** Typescript, C++, Python, Kotlin, Dart, R, Java
 - **Frontend/Mobile:** React.js, Flutter, React Native, Jotai, Redux, Android
 - **Backend/Other:** Node.js, Firebase, Spring Boot, Django, D3, LangChain, SQL, Git, Figma
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Projects

Preesh Rewards (**React native, Firebase, Redux**)

- Designed and implemented a mobile rewards application allowing users to track and redeem points earned

Visualizing Europe Tourism (**TopoJson, D3.js, Bootstrap**)

- Created an interactive data map with a slider and a star plot to visualize monthly tourist activity

Stickies++ (**Kotlin, Spring Boot**)

- Developed a notes application to maximize customization and note-taking efficiency

Operating System (**C++**)

- Built program loading, process synchronization and a file management system into an operating system