

# Noah Nefsky

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## Work Experience

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

- Built a **React-Next.js** application to manage procedure workflows
- Leveraging LLMs and convolutional neural networks for video analysis to streamline factory training

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

- Used LLM APIs to create a quick reply feature for messages and health records in a **Flutter** application
- Developed a warning system for patient health records using machine learning
- Built a drug disposal workflow into an **Android** nursing application

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

- Added notification capability into a company application, including a notification page and content sharing
- Utilized AI (masked language modelling) and **LangChain** to automate grant application form filling for users
- Created a dashboard displaying company statistics using **Vue.js** and **Django**
- Created web scrapers using **Python** to collect grant information and transform it into JSON data

**Software Engineer Intern** | Thoughtwire, Toronto May 2022 - August 2022

- Developed a VSCode extension using **Typescript** to manage secure authentication, automatically upload projects to a virtual machine and handle RDF language reference-to-definition navigation

**Junior Software Engineer** | Sparcblock, Toronto May 2021 - August 2021

- Developed **Java** RESTful APIs to integrate with accounting solutions and automate accounting processes
  - Built a Windows application in **C#** to manage authentication and automatically update accounting information
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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:** Object-Oriented Programming, Algorithms, Data Structures, App Development, User Interfaces, Operating Systems, Algebra, Calculus, Economics, Statistics

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

- **Courses:** Computer Vision (master's level), Data Visualization (master's level), Economics (master's level)
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## Skills

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

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

- Designed and implemented a mobile rewards application for tracking and utilizing 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 like Stickies, with the workflow and customization capabilities of Apple Notes

Operating System (**C++**)

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