

Eric Bilaver

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EDUCATION

University of Waterloo

Bachelor of Applied Science, Computer Engineering

Sept. 2019 - Apr. 2024

Waterloo, ON

EXPERIENCE

Indigo Books & Music

Software Engineer (Mobile)

Jun. 2024 - Present

Toronto, ON

- Continuing to lead code development and production for **Kiosk** and our new **AI recommendation app**, Biblio
- Migrated Kiosk code to Shopify using GraphQL, **decreasing load times by 95%**
- Identified bugs relating to UI performance and **reduced memory usage by 30%**

Developer Intern

Sept. 2023 - Dec. 2023

- Independently architected in-store search Kiosk software with Android Compose for use in **over 200 stores across Canada**
- Worked as sole developer under a tight 2-month timeline **overseeing the entire software development lifecycle** from conception to deployment
- Created internal standards and processes for Kiosk programming, release, and DevOps
- Nominated for the University of Waterloo's prestigious **Co-op of The Year Award**

JAM3 / Media.Monks

Developer Intern

Jan. 2023 - Apr. 2023

Toronto, ON

- Designed components and implemented API calls with an experienced team in React for Shopify's Entrepreneurship Index webpage
- Created a client site using **Next.js** and **Three.js** to research usability and performance, which was used to create the company-wide boilerplate

1Password

Developer Intern (Billing)

Jan. 2022 - Apr. 2022

Toronto, ON

- Worked with senior developers to re-architect billing process into a single payment window facing **\$120M+ in annual sales**
- Assisted in creating RESTful APIs that connect front-end React code to back-end Go code to **service over 90,000 business customers' billing requests**

PROJECTS

Who? WAT? Where? (FYDP Project) | *React Native, Three.js*

May 2023 - Apr. 2024

- Developed a React Native application to serve as an all-in-one student accessory, offering door-to-door navigation, campus information, and custom user recommendations
- Designed and implemented an interactive 360° panorama "Street View" component with Three.js, connected back-end and front-end code, and created user facing components

MunchBox (ECE 452) | *Kotlin, Jetpack Compose, Firebase*

May 2023 - Aug. 2023

- Worked in a team of 6 to create a "tiffin" food ordering application using Kotlin and Android Compose
- Added image upload functionality, back-end API connections, and developed front-end components

TECHNICAL SKILLS

Languages: Kotlin, JavaScript, Python, Go, GraphQL, TypeScript, C/C++, HTML/CSS,

Frameworks: Jetpack Compose, Firebase, Azure, React, React Native, Next.js, Node.js,

Developer Tools: Git, Docker, Jira, Android Studio, Google Play Console, VS Code, Linux GNU, Figma, Sketch

Libraries: Hilt, Dagger, Retrofit, Three.js, Redux, GSAP