

David Ly

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Education

University of Waterloo

Expected Apr 2026

Bachelor of Applied Science in Management Engineering - 3.74 GPA

Waterloo, ON

- **Relevant Coursework:** Data Structures and Algorithms (Java), Databases and Software Design (JavaScript, SQL)
- **Awards:** Dean's Honour List 2022

Experience

JANA Corporation

Jan 2023 – Apr 2023

Software Developer Intern

Aurora, ON.

- Built and maintained a feature using **React**, **TypeScript** and **TailwindCSS** for a risk management product that generates **\$20 million** annually
- Implemented a feature that uses server side data to persist on page refresh using **React**, **Redux**, and **TypeScript**, saving users **5 seconds** per use
- Improved code base test case coverage by over **40%** using **Jest** and **React Testing Library** in order to minimize bugs
- Presented new features in sprint demos to **50+** clients and stakeholders, collecting feedback to enhance the product
- Published and maintained **2+** npm packages with Storybook to provide reusable **React** components

Dundas Life

May 2022 – Aug 2022

Web Developer Intern

Toronto, ON.

- Developed multiple landing and home pages using **HTML** and **CSS** used by over **10,000** users
- Deployed **20** user-centered pages using **Webflow** resulting in **1000s** of visitors per month
- Designed landing pages and home pages using Figma to plan out the front-end design

Industry 4.0

Oct 2021 – Dec 2022

Web Developer

Waterloo, ON.

- Developed and designed a responsive website for over **20+** annual competitors in the Industry 4.0 competition
- Implemented the home page using **HTML**, **CSS**, **JavaScript** and deployed on Git
- Collaborated with the team using **Git** to conduct code reviews and express concerns

Projects

NotePal – [GitHub](#)

- Leveraged the MERN stack to build a full-stack web application that allows users to create personalized notes
- Developed **REST API** endpoints using **Node.js** and **Express.js** that perform CRUD operations to **MongoDB**
- Implemented user authentication process using Node libraries such as **Json Web Tokens** and **bcrypt** to ensure a secured user experience
- Styled web application components using **MaterialUI** in order to create an user-centric design

Katakana Quiz – [GitHub](#)

- Web application that displays a Japanese katakana script and allows the user to input the romanized script with a score keeping functionality
- Developed the web application using **React.js** that presents a katakana character and keeps the max score of the user through **React.js Hooks**
- Styled the web application using **TailwindCSS** to produce a minimalistic and intuitive design

Rhyme Out – [GitHub](#)

- An android party game application that hosts 2 to 5 players and was inspired by the card game
- Implemented **stacks** and **object-oriented programming** concepts using **Java** to mimic the card game
- Developed the android application using **Android Studio** that features **72** cards in total

Skills

Languages: TypeScript, JavaScript, Java, SQL, Python, HTML, CSS

Technologies: Git, React.js, Redux, Node.js, Express.js, TailwindCSS, MongoDB, REST APIs, Jest, JUnit, MaterialUI