

David Ly

647-996-8978 | d26ly@uwaterloo.ca | [linkedin.com/in/davidly26](https://www.linkedin.com/in/davidly26) | github.com/davidly1 | davidly.me

Education

University of Waterloo

Sep 2021 – 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 (SQL), Computer Structures and Real-Time Systems (C), Probability and Statistics
- **Awards:** Dean's Honour List 2022

Skills

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

Technologies: Git, React.js, React Native, Redux, Node.js, Express.js, MongoDB, Jest, Firebase, JUnit 5

Experience

JANA Corporation

Jan 2023 – Apr 2023

Software Developer Intern

Aurora, ON

- Implemented a feature that aids in data visualization through customizable color-coding and persists by user using React.js, Redux, and TailwindCSS for a risk management product that generates **\$20 million** annually.
- Improved code base test case coverage by over **25%** using Jest and React Testing Library in order to minimize bugs.
- Authored a comprehensive documentation on best practices for effective unit testing, resulting in a reduction in bugs and improved overall code quality.
- Published and maintained **4** npm packages with Storybook and Lerna to provide reusable React.js components.
- Presented new features in sprint demo to **50+** clients and stakeholders, collecting feedback to enhance the product.

Dundas Life

May 2022 – Aug 2022

Web Developer Intern

Toronto, ON

- Translated **10+** Figma designs using HTML, CSS, and JavaScript to develop intuitive landing and home pages used by over **10,000** users, resulting in positive user feedback and improved engagement.
- Led the implementation of **20** user-centered pages using Webflow resulting in **1000s** of visitors per month.
- Designed and presented landing and home pages using Figma to incorporate feedback from team members.

Industry 4.0

Oct 2021 – Dec 2022

Web Developer

Waterloo, ON

- Developed and designed a responsive website for the Industry 4.0 competition that hosts over **20+** teams annually.
- Implemented the home page using HTML, CSS, JavaScript and deployed using Git.

Projects

NotePal | React.js, Node.js, Express.js, MongoDB

[GitHub](#)

- Full-stack React.js web application that allows users to create personalized notes, stored on MongoDB.
- Developed **REST API** endpoints using Node.js and Express.js that perform CRUD operations to MongoDB.
- Implemented user authentication process using JSON Web Tokens and bcrypt to ensure a secure user experience.
- Constructed a user-centric React.js UI through utilizing Material-UI styled components.

Standeasy | React Native, Firebase, NativeWind

[GitHub](#)

- React Native application that keeps track of daily standups featuring Firebase authentication and database.

Rhyme Out | Java, Android Studio

[GitHub](#)

- Android party game application that hosts 2 to 5 players and features 72 cards in total to mimic the card game.

KanaPro | React.js, TailwindCSS

[GitHub](#)

- React.js web application that features an interactive approach to learning Japanese katakana scripture.
- Developed the web application using React.js and styled using TailwindCSS to produce a minimalist and intuitive UI.