David Ly

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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*
- Built and maintained a feature using React.js, Redux, TypeScript and TailwindCSS for a risk management product that generates **$20 million** annually.
- Implemented a feature that aids in data visualization through customizable color-coding and persists by user.
- 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.
- 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 the team and incorporated feedback into designs.

Industry 4.0   Oct 2021 – Dec 2022
Web Developer   *Waterloo, ON*
- Developed and designed a responsive website for a 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.