David Ly

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EDUCATION

University of Waterloo   Waterloo, ON
Candidate for Bachelor of Applied Science in Management Engineering   *Sep. 2021 – Apr. 2026 Expected*
- Relevant courses: Data Structures and Algorithms, Intro to Programming
- Honours: Dean's Honours List Winter 2022
- Cumulative GPA: **3.8/4.0**

EXPERIENCE

Web Designer Intern   May 2022 – Aug 2022
Dundas Life   *Toronto, ON*
- Deployed **11** user-centered pages using **Webflow** to increase the conversion rate by **2%**
- Integrated and styled insurance rate comparison tables using **HTML** and **CSS** to make the content easier to consume for users
- Designed **7** pages using **Figma** to plan out the front-end design and an SEO strategy for the website
- Collaborated with a team on a daily basis to discuss website functionalities and design

Tech Team Member   Oct 2021 – Present
Industry 4.0   *Waterloo, ON*
- Utilized **HTML, CSS,** and **JavaScript** to build a website resulting in an increased user traffic of **100+**
- Collaborated with the team by using **Git** to conduct code reviews and expressing concerns

PROJECTS

NotePal | *React, Node, Express, MongoDB*
- Leveraged the **MERN** stack to build a full-stack web application that allows users to create personalized notes
- Developed multiple **REST API** endpoints using **Node.js** and **Express** that performs **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 app components using **MaterialUI** in order to create an user-centric design

Katakana Quiz | *React*
- 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 app using **React** to present a katakana character and keeps the max score of the user
- Styled the web app using **TailwindCSS** to produce a minimalistic and intuitive design

Weatherly | *React*
- Web application that displays weather information at a specific location and time of the users' choosing
- Developed and built using **React** to display temperatures and weather information of cities around the world
- Integrated OpenWeather API using **Axios** to obtain a **95%** accuracy reading of user inputted cities

Rhyme Out | *Android Studio, Java, XML*
- An android party game app that hosts 2 to 5 players and was inspired by the card game
- Developed the android app using **Android Studio** that features **72** cards in total
- Implemented **stacks** and **object-oriented programming** concepts such as **encapsulation** using Java to mimic the card game in an app setting

TECHNICAL SKILLS

Languages: JavaScript, Java, HTML/CSS, Python
Frameworks/Libraries: React.js, Node.js, Express.js, MaterialUI, TailwindCSS, JUnit
Tools/Technologies: MongoDB, Git, VS Code, Eclipse, Netlify, Heroku, Android Studio, Figma, Webflow