

AUSTIN JIAN

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EDUCATION

University of Waterloo

Honours Bachelor of Computer Science, Co-op

September 2025 – April 2030

SKILLS

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

Technologies: React, Next.js, Node.js, Flask, Flutter (Dart), MongoDB, SQL, JSoup, Tesseract OCR

Development Tools: AWS, Figma, Android Studio, Visual Studio, VS Code, PyCharm, Unity

PROFESSIONAL EXPERIENCE

Software Developer Intern 📄 | Gemini API, Typescript, React, Next.js, Node.js, SQL June 2025 – Present
Go Place Markham, ON

- Built and maintaining a full-stack platform using **React**, **Next.js**, **Node.js**, and **SQL**, supporting **2000+** daily visitors, **600+** daily customers, and **200K+** registered users
- Managing and scaling a **SQL database** to efficiently handle user data, bookings, and service records
- Developing a chatbot with **Gemini API**, automating real-time customer support, bookings, and FAQs

Software Developer Intern 📄 | AWS, React, MongoDB, TypeScript, Dart April 2025 – Present
Canadian Youth Champions Toronto, ON

- Building a cross-platform app and web application with a team of 6 interns using **Flutter(Dart)**, **React**, and **AWS**, delivering authentication, profiles, and live event feeds for **500+** users
- Upgrading the website with **React** and **TypeScript**, boosting responsiveness and cutting load times by **45%**
- Implementing a scalable **MongoDB** database to store dynamic content such as user data and upcoming events

PROJECTS

Patchy – AI Agent to Patch Vulnerabilities (Hackthe6ix Winner) 📄 | React, GitHub API, Typescript, Vellum

- Built *Patchy* 🐙, an AI assistant to identify and patch cybersecurity vulnerabilities from a **GitHub repository link**
- **Determines vulnerability type**, instructs users on how to fix it and creates **pull requests** to modify code
- Used **OpenAI's o3 thinking model** with **Vellum** to analyze the codebase and identify issues
- Won **\$1,500** and **1st place** in Hackthe6ix's **Vellum Prize track**, successfully solved **50+** CTFs

Proteful – App to Keep Protesters Safe (Hack404 1st Place) 📄 | React Native, Expo, Firebase, Typescript

- Built *Proteful* 🐙, a protest safety app with live heatmaps, AI risk analysis, and **real-time route guidance**
- Saved user-generated hazard reports with photos, notes, and GPS radius using **Firebase** and **React Native**
- Integrated **Google Maps SDK** and joystick-based navigation to preview and compute protest-safe paths
- Designed a **custom Dijkstra-based pathfinding algorithm** to avoid danger zones using global map data
- Delivered **real-time alerts** and **proximity-based risk notifications** when entering risky areas

Preppin' – Meal-Planning Business (\$1.5k+ Revenue) 📄 | Python, Flask, Tesseract OCR, ChatGPT API

- Launched *Preppin'* 🐙, an app that turns grocery receipts & leftovers into recipes via **Tesseract OCR+ GPT-4**
- Algorithm matches users' macro goals to local grocery deals; each weekly meal plan is approved by a nutritionist
- Developed backend using **Python + Flask** with the **OpenAI API** to provide high-quality responses in real time
- Attracted **10,000+** website visits and converted traffic into **\$1.5k+** user subscription revenue

Orbitview – Career Accelerating Service 📄 | React, Node.js, TypeScript, Python, ChatGPT API

- Built and launched *Orbitview* 🐙, a social media platform to help users network, showcase skills, and land jobs
- Developed an interactive **AI-powered chatbot** that allows users to "talk" to resumes, asking personalized questions and receiving conversational, AI-generated summaries of others' experiences and skills to support informed networking
- Built a tool generating tailored, **ATS-friendly SWE resumes** by analyzing job descriptions and aligning them with user experiences using the **OpenAI API**, improving ATS match scores by **35%+**