Jason Tan

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EDUCATION

University of Guelph   Sept 2020 – May 2025
Bachelor of Computing in Software Engineering (GPA: 4.00 / 4.00)   *Guelph, ON*
- **Relevant Coursework:** Data Structures and Algorithms, Statistics (R), Object Oriented Programming (OOP)

EXPERIENCE

Dialogue   May 2024 – Present
Software Engineer Intern   *Toronto, Ontario*
- Collaborated with a cross-functional team of engineers, care providers, designers, product managers and analysts to **enhance the entire user experience journey by 8%** affecting over **3,000,000 users**
- Orchestrated a solution to allow users to reschedule appointments with health providers, impacting over **20,000 appointments** reducing the amount of no-show appointments by **18% per month** with **React Native** and **FastAPI**
- Upgraded the flow for users to cancel appointments affecting **600 appointments per month** reducing accidental cancellations by **10-20%** on average with **Rasa** and **Python**
- Launched a new feature allowing users to assess mental health levels impacting **800 consults per week** and achieving a **5% increase** in happy path for members with **Contentful** and **React Native**
- Leveraged **Datadog** and **LaunchDarkly** to monitor, debug, and deploy features to production using flags and queries

ReturnPal   Jan 2024 – March 2024
Software Engineer   *Toronto, Ontario*
- Contributed to the full-stack development for a startup supporting **100+ brands** centralizing return processes
- Integrated **Stripe** with **Node.js** and **MongoDB**, enabling users to make one-time or monthly unlimited return plans
- Transformed detailed Figma designs into responsive and interactive components using **React.js**, ensuring design specifications of UI components
- Engineered REST APIs using **Node.js** and **MongoDB**, storing user details, plans, and orders, ensuring efficient retrieval and management of information

Microsoft   May 2023 – July 2023
Software Engineer Intern   *Montreal, Quebec*
- Optimized the client of a SaaS solution used in **500+ organizations** by refactoring components, enhancing client performance by 30% through **React.js**
- Implemented **React.js** components for over 10+ Figma designs, leading to a **38% improvement** in page load times and a **15% boost** in overall site performance.
- Proposed an Object Oriented Programming (OOP) testing solution, centralizing tests for the **CI/CD** pipeline, resulting in a **85% improvement** in efficiency and scalability
- Tested **React.js** components using robust test-driven (TDD) and behaviour-driven (BDD) tests, **increasing end-to-end testing coverage by 50%** with Playwright and Cucumber
- Collaborated with a team of 20+ engineers and designers to align and implement **AODA** accessible components over Figma and Microsoft Teams

PROJECTS

TheCannon Updates | *React.js, JavaScript, MaterialUI, Express.js, MySQL, Google Cloud Platform (GCP)*
- Launched a full-stack web app connecting University students to **1000+ house listings** across Guelph.
- Developed a service on GCP to deliver over **200+ real-time messages** to 50+ users using a Redis-based queue
- Optimized Discord messaging service **reducing server workload by 90%** using a Redis-based queue
- Successfully integrated OAuth2 services, enabling fast authentication for over **50 users** via Google and Discord.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, HTML, CSS, Java, C
Technologies: React.js, React Native, MaterialUI, Bootstrap, jQuery, TailwindCSS, Griffel, Express.js, Node.js, FastAPI, Flask, MongoDB, MySQL, MariaDB, Electron, Docker, Git, Google Cloud Platform (GCP), Amazon Web Services (AWS) Jest, Playwright, Cucumber, Jira, CircleCI, DataDog