

James Han

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TECHNICAL SKILLS

Languages: Python, R, Java, HTML/CSS, Javascript, Typescript, JSX, Svelte, LaTeX

Frameworks/Tools: Git, React, Redux, SvelteKit, NextJS, Tailwind, Bootstrap 5, SASS, Chart.js, Maven, Firebase Storage/Auth/Database, Vercel, Prisma, Stripe, Clerk Authentication

Design Tools: Adobe Premiere Pro/Illustrator/Photoshop/Lightroom/AfterEffects, Figma

EXPERIENCE

- **UofT Blueprint** Toronto, ON
Software Engineer *Sep 2024 - Present*
 - **City of Brampton:** Developing software solutions for the Recreation Department of the City of Brampton.
- **Markyt** Toronto, ON
Lead Software Engineer *Dec 2023 - Aug 2024*
 - **Platform Development:** Engineered a full-stack SvelteKit platform connecting influencers with businesses across the GTA, optimizing for performance and scalability.
 - **Backend and Authentication:** Developed secure user authentication with Firebase Auth and implemented Firestore for real-time data storage and management, ensuring seamless backend operations.
 - **Payment Integration:** Integrated Stripe for subscription-based services, managing secure transactions and automating workflows through webhooks.
 - **Responsive Design:** Designed a fully responsive, mobile-first interface using Tailwind CSS and Daisy UI, enhancing cross-device usability and ensuring consistent user experience.
 - **State Management and Deployment:** Managed state with Svelte stores and deployed the application using Vercel, enabling continuous integration and smooth scalability for production environments.
 - **API Security and Webhooks:** Secured API routes and implemented webhooks for automated backend processes, ensuring safe communication between services.
- **Code4Innovation** Toronto, ON
Co-Founder *Nov 2022 - June 2023*
 - **Volunteer Leadership:** Led a team of 10 volunteer tutors to deliver coding and STEM education to over 150 students from underserved communities. Created inclusive programming to foster student engagement and growth.
 - **Community Growth and Engagement:** Expanded outreach efforts, growing Code4Innovation's community to over 2,000 participants and supporters. Developed and managed a comprehensive website to coordinate student enrollment and streamline communication with tutors.
 - **Digital Content Creation:** Managed Code4Innovation's social media presence, creating engaging weekly content using Canva and Adobe tools to promote events and increase visibility.

PROJECTS

- **Weather App:** Developed a weather dashboard with real-time analytics using Chart.js, integrating OpenWeatherAPI for data and Unsplash API for dynamic imagery.
- **Task Manager:** Developed a feature-rich task management app with full CRUD functionality, utilizing Firebase Firestore for real-time data persistence and Firebase Authentication for secure user access.
- **Foodistrict:** Developed a restaurant recommendation app, utilizing the Zomato API to enable location-based filtering and view restaurant ratings. Designed the front-end with Material Design for a clean, responsive user interface.

EDUCATION

- **University of Toronto, St. George Campus** Toronto, ON
Bachelor of Science in Computer Science *Aug. 2023 - May. 2027*
 - **Relevant Coursework:** Data Structures/Algorithms (CSC110/111), Intro to Computational Biology, Software Design (CSC207), Theory of Computation, Multivariable Calculus, Statistics and Data Analysis I (STA237)
 - **Extracurricular Activities:** UofT AI Community Associate, UofT Run Club Run Leader, HH Debate Team
- **Upper Canada College** Toronto, ON
International Baccalaureate Diploma; Economics Research Club President *Aug. 2019 - May. 2023*