Justin Thomas

Computer Science Undergraduate

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Markham, Ontario ⊙

justint.me 🔗

Fourth-year computer science student passionate about design and user experience. Knowledgeable about several technologies and best practices, with extensive collaborative and self-management experience.

Education

Bachelor of Computer Science
Ontario Tech University - *Graduating May 2023*

Achievements
• Recognized on President's list 2020-2022
• $3000 Award of Recognition Scholarship

Relevant Courses Taken: Human Computer Interaction, Technical Communications, Data Structures & Algorithms, Machine Learning Theory and Application, Computational Science, Computer Graphics and Visualization, Compilers, Web App Dev, Database Systems, Software Quality Assurance.

Experience

Software Analyst Intern @ Thales Group
Sept 2021 - Sept 2022

• Developed and debugged test procedure code for automation of vital railway software in C and Python.

• Effectively collaborated with Thales Transport software team to identify issues and implement code corrections for release reports using Git.

• Performed blackbox, whitebox, and aggregate testing in C to provide developers with coverage and performance data for code revisions.

• Developed Bash scripts used by testing team of 3 to accelerate the initial setup process of importing new code into Vectorcast unit testing software, cutting import times by ~50%.

• Used agile principles in a hybrid work environment to efficiently organize software testing tasks and manage changes in requirements.

• Assisted tools development team with updating railway layout interface for new railway sections using a track guideway editor.

• Wrote clear and detailed documentation for changes made to railway layout UI for use across departments.

Web Developer @ IonFlow *(Student Project)*
Sept 2020 - Jan 2021

• Worked in a student team to design and deploy a Shopify eCommerce website using Node.js and Netlify.

• Utilized Git, CSS, HTML and JavaScript to design a user-friendly site that incorporates custom branding, Shopify services and plugins.

• Conducted market research to determine product offerings and used social media promotions to advertise to customers.

Skills

Programming Experience
Java, Python, C++, HTML, CSS, JS

Dev Tools & Libraries
Git, Gradle, Docker, Firebase, Flutter, Bash, Jupyter, MongoDB, SQL, Node.js, jQuery, REST APIs, TensorFlow, VectorCast

Design
Figma, XD, InDesign

Languages
English, Tamil

Personal Projects

Face Mask Detection
• Developed a real-time object detector built using TensorFlow and Python designed to determine if a person is wearing a face mask.

Portfolio Website
• Designed and built my personal website using HTML, CSS and JavaScript.

Homebase
• Developed an Android productivity application using Flutter and incorporated the use of cloud storage, HTTP requests, maps and APIs.

Blockchain Simulation
• Built a blockchain simulation using JavaScript and Angular which uses the fundamentals of blockchain to represent cryptocurrency transactions

Certificates & Courses

Google Technical Writing One and Two, Standard First Aid

Interests

AI, UI/UX Design, Android App Development, Data Science, Guitar, Video Games