Justin Thomas

Computer Science Undergraduate

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.

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justint.me 🔗

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

Al, Ul/UX Design, Android App Development, Data Science, Guitar, Video Games