

Justin Thomas

Passionate about design, product, user experience and learning new technologies.

justin.thomas2@ontariotechu.net 

(647)-500-9497 

Markham, Ontario 

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

- Lead 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, Tailwind, 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

Character Recognition

- A handwritten digit recognition program utilizing neural networks, OpenCV and TensorFlow in Python.

Certificates & Courses

- Google Technical Writing One and Two
- Standard First Aid

Interests

AI, UI/UX Design, Android App Development, Data Science, Product Management