

Jackson Tarlin

WEB DEVELOPER

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https://github.com/JTarlin

PROFILE

I am an engineer interested in creating impactful web projects. I love web development because it allows great ideas to reach giant audiences, and I enjoy taking on hard challenges. I am familiar with many programming languages, and am eager to learn more.

SKILLS

JavaScript, React.js, React Native, HTML5, Firebase, CSS, Sass, GitHub, Express.js, Web APIs, NPM, Heroku, Jest, MySQL, Python, Swift, Android Studio, XCode, Unity, C#, C, MATLAB, Java

EXPERIENCE

Undergraduate Researcher | McMaster University

JUN - AUG 2020, HAMILTON, ON

- Worked with silicon microdevices in a photonics lab.
- Tested ring resonator processing techniques.
- Designed and built MATLAB tools to automate data processing.

Engineering Co-op | Kinectrics Inc

SEP 2019 - MAY 2020, TORONTO, ON

- Worked alongside engineers to procure and test nuclear grade parts for use in Ontario nuclear power plants.
- Designed mechanical and vibrational test fixtures in Solidworks.
- Extensive microsoft office experience preparing charts and reports.

Scholarship Researcher | McMaster University

MAY - AUG 2016, HAMILTON, ON

- Assisted graduate students in preparing and running experiments and simulations on radioactive element sorption into sediment

EDUCATION

BrainStation | Diploma Candidate, Web Development

SEP - DEC 2020, ONTARIO, CA

McMaster University | Bachelor of Engineering Physics

SEP 2015 - MAY 2020, HAMILTON, ON

Highest Honours, Dean's Excellence Scholarship

PROJECTS

Lightspeed Companion | Web Developer

NOV - DEC 2020, Brainstation

Leveraged React Native and Firebase Realtime Database to create a content management app for use by role playing game players.

The code: <https://github.com/JTarlin/Lightspeed>.

Handy Pantry | Mechanical Designer

SEP 2019 - MAY 2020, McMaster University Engineering Physics Capstone

A device designed to allow for efficient canned food retrieval from corner cabinets.

Watch: <https://www.youtube.com/watch?v=KlwUJLLS83m8>.