

Ryan Prairie

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EDUCATION

UNIVERSITY OF WINDSOR | B.C.S IN COMPUTER SCIENCE (HONOURS)

September 2018 - Present | Windsor, ON

EXPERIENCE

BLACKBERRY | SYSTEM SOFTWARE DEVELOPER INTERN

Jun 2020 - Aug 2020 | Online

- Developed UI features using **ReactJS** and **GraphQL**
- Developed APIs using **Node.js**

CIBC | DEVELOPER INTERN

May 2019 - Aug 2019 | Toronto, ON

- Led the development of a webapp to be rolled out **nationwide**
- Developed a **Dynamic Form** using **SvelteJS**, can create new form or search and edit existing form
- Developed the accompanying **Database Schema** to the form with dynamic tables
- Developed a back-end **REST API** to work with a web framework using **Flask**
- Developed automated data uploading system to run weekly on 50 Million rows. Saving **10 hours weekly**.

RE:SOURCES IT | IT INTERN

Mar 2018 - Jun 2018 | Toronto, ON

- Re imaged machines to different operating systems
- Solved problems using IT oriented solutions

FRC TEAM 865 WARP7 | PROGRAMMER

Sept 2017 - Jun 2018 | Toronto, ON

- Taught seminars teaching **Java** to students
- Developed a **Computer Vision** system to run on a co-processing system on the robot

PROJECTS

UWIN RENT

- A property renting web site for students created using **ReactJS**, **Flask**, and **GraphQL**
- Developed a custom **GraphQL schema and engine** implementation
- Developed **microservices** with scalable design
- Developed **routing** and **automatic SSL** with **Caddy Server**
- Developed **dynamic map rendering** with **ReactJS**

FRC-2017-VISION

- A Computer Vision system written with **OpenCV** and **Python**
- Accompanying tools to make the process of tuning easier

SKILLS

LANGUAGES

Python • JavaScript • Ruby • Go
• HTML/CSS • Java • C • \LaTeX

AWARDS AND CERTS

Best Hack To Improve Automation | GrizzHacks
Control Systems Design Award | FRC Ontario District
CCNA1 | EXPIRED

TECHNOLOGIES

ReactJS • Flask • SvelteJS • Git
• Linux • Vim • GraphQL • Computer

EXTRACURRICULAR

Co-Head of Tech | UWindsor CS Society
Admin and founding member | UWindsor Robotics
MakeHarvard Harvard University | 2020
GrizzHacks Oakland University | 2019