

# Ryan Prairie

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## EDUCATION

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

September 2018 - Present | Windsor, ON

## EXPERIENCE

**CIBC** | DEVELOPER INTERN

May 2019 – Aug 2019 | Toronto, ON

- Developed a **Dynamic Form** with inputting new forms, searching and editing existing forms
- Developed the accompanying **Database Schema** to the form with dynamic tables
- Developed a front-end web app using **Javascript/Svelte.js** to support at least 60 auditors
- Developed a back-end **REST API** to work with a web framework using **Python/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** | LEAD 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

**MOOD PIZZA**

- Developed a **backend system** with **two custom APIs** and a **full routing system**
- Developed **front end forms** with **Bootstrap, JQuery, and Ajax**
- Developed an **MVC** system with **Jinja2** for the model rendering

**FRC-2017-VISION**

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

## SKILLS

### LANGUAGES

Python • Java • JavaScript  
• HTML • C • Bash •  $\text{\LaTeX}$  •  
SQL • Vimscript • CSS

### TECHNOLOGIES

OpenCV • Flask • Svelte •  
Git • OracleDB • nginx • QT5 •  
MySQL • Pandas • SQLAlchemy

## AWARDS AND CERTS

**Best Hack To Improve Automation**

GrizzHacks | 2019

Control Systems Design Award

FRC Ontario District | 2017

CCNA1 EXPIRED | 2016

## COMPETITIONS

**MakeHarvard** Harvard | 2020

DeltaHacks McMaster | 2020

MHacks University of Michigan | 2019

GrizzHacks Oakland University | 2019