

# Aidan Bowers

BASc Candidate,  
Systems Design Engineering, 2024

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## Summary of Qualifications

- Extensive experience with C#, PHP, JavaScript, and MySQL from high school and side projects
- Knowledge of C++ gained through university courses
- Proven leadership abilities and collaborative teamwork skills
- Intrinsically motivated and dependable with a strong sense of initiative

## Project Highlights

### Hack the North | Sept. 2019

- Designed news web app that measures the “honesty” of news articles using Flask and React
- Implemented statistical models to reliably determine honesty of news articles
- Collaboratively developed project in team of four, effectively delegating tasks to complete project before deadline

### The “RAV Project” | Sept. 2017 – Dec. 2018

- Designed, and programmed a custom quadcopter using Node.JS, Fusion360, 3D-printers
- Assembled electronics and 3D printed frame with electronics tools
- Built web user interface to control quadcopter using web sockets and a gamepad
- Troubleshoot issues with a non-functional Makerbot 3D printer, returning it to a reliable state
- Hosted software on Raspberry Pi running Raspbian Linux to control drone.
- Researched components and created and presented funding pitch

## Professional Experience

### **3D Printed Parts Model Maker | Agile Manufacturing | Feb. – Aug. 2019**

- Post processed 3D printed models through part cleaning and QC
- Used CAD software to view, measure and inspect parts for QC and packaging
- Operated 3D printers to maintain peak output

### **Teaching Assistant (Co-Op) | Uxbridge Secondary School | Sept. 2018 – Jan. 2019**

- Lectured Grade 11 Computer Science students on fundamentals of programming using PHP
- Facilitated extra help, and 1 on 1 sessions to improve understanding of difficult concepts
- Serviced computers and resolved technology-based problems for school staff
- Led small group of students in research and purchase of parts for an extracurricular electronics project

### **Soccer Referee | Uxbridge Soccer Club | May 2013 – Present**

- Refereed youth soccer games in both house league and competitive levels
- Worked with other referees in teams of 3 to officiate matches effectively
- Maintained Soccer fields and equipment

## Awards & Licenses

- Education Computing Organization of Ontario programming competition, Regional event winner (2018)
- MVP Curling Award, Uxbridge Secondary School (2018)
- Scouts Canada Chief's Scout Award (2015)
- Scouts Canada Award for Meritorious Conduct (2013)