



# Jeffrey Wu

## MECHATRONICS



613 769 8093



jeffrey.wu@uwaterloo.ca



www.jeffwu.me



www.github.com/wu-jeffrey

## SKILLS SUMMARY

**LANGUAGES** | Javascript, C++, C, Python, Java  
HTML/CSS, English, French, Mandarin

**TOOLS** | Polymer, jQuery, D3, GCP, Firebase,  
Node, Express, AVA, Postman, Git, Lodash

**CAD** | AutoCAD, Revit, Solidworks, GD&T,  
Photoshop, Indesign, Illustrator, After Effects

**LEADERSHIP** | Student Body President,  
Founder of student charity chapter and more

**COMMUNICATION** | Strong skill in conveying  
technical information verbally and in writing.

## PROJECTS

### ✦ SLEIGHT OF HAND

An online mouse accuracy and typing  
practice tool to help competitive gamers  
warm up and increase reaction time.

### 📷 3-AXIS CAMERA STABILIZER

Built a camera gimbal to stabilize a  
smartphone in 3D space using EV3 and  
my own PID algorithm.

### 🔒 BLUETOOTH DOOR LOCK

Built an IoT device controllable via a  
secure webhook to unlock a dorm room  
door using Arduino and Yaler.

## EXPERIENCE

- **FULL-STACK WEB DEVELOPER** | Unyte Health Inc. Jan 2018 - Apr 2018  
Built a web dashboard for clients to track biofeedback device sessions. Saved 3 days time by automating data transfer with an API to parse CSV from a crowdfunding service onto a web database.
- **GRAPHICS DESIGNER** | Freelancer Nov 2015 - Feb 2018  
Designed various print and digital graphics for local Ottawa businesses. Created, marketed and contracted the production of a custom apparel line.
- **CHAPTER COORDINATOR** | Tools With Impact Sep 2015 - Jun 2017  
Founded the Tools With Impact Chapter at my school, a student-run charity that raised over \$106k to support developing communities.

## EDUCATION

**Candidate for BAsC  
Mechatronics Engineering**  
University of Waterloo  
Expected graduation April 2022

## AWARDS

President's scholarship - 98.5% average	School Board Leadership Award
PEO Grand River Chapter Scholarship	Principal's Award for Leadership
PEO Ottawa Chapter Scholarship	Edutox Video Challenge Winner