Jeffrey Wu

MECHATRONICS

📞 613 769 8093

✉ jeffrey.wu@uwaterloo.ca

🌐 http://jeffwu.me

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

DESIGN | AutoCAD, Revit, Solidworks, 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 a 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

PEO Grand River Chapter Scholarship

PEO Ottawa Chapter Scholarship

School Board Leadership Award

Principal's Award for Leadership

Edutox Video Challenge Winner