

Jeffrey Wu

Mechatronics Engineering

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jeffwu.me



Experience

- > Freelance Graphics Designer OCT 2016 - Present
 - Created posters, flyers, logos, menus and websites for local businesses
 - Designed, marketed and contracted the production of a custom apparel line for my graduating class
 - Communicated key details and deadlines with clients
- > Kumon Marker JAN 2016 - SEP 2016
 - Accurately assessed and recorded student performance
 - Broke down mathematical and grammatical concepts in a manner kids could understand

Projects

- > Motorized Blinds
 - Created a system to remotely control roller blinds through an android app using an Arduino, a bluetooth module and stepper motors.
- > Mock Surgical Robot
 - Used servo motors, aluminium struts, 3D printed parts and a pneumatic piston to build a gantry-like robot that could precisely insert bones in the right locations

Leadership

- > Student Council President SEP 2016 - JUN 2017
 - Managed a team of 20 to plan and realise school events to engage and inspire the student population
 - Ensured voices were heard by serving as a liaison between the administration and student body
- > Tools With Impact Coordinator SEP 2015 - JUN 2017
 - Founded the Tools with Impact chapter at my school, a charity that has raised over \$106,000 to support impoverished communities in self-development

Skills

- > CAD: AutoCAD, SolidWorks, Sketchup, Revit, Fusion 360, Inventor
- > Programming: C++, Arduino C, Java, HTML, CSS, XML, Linux, Android SDK
- > Adobe CC: Photoshop, Illustrator, Lightroom, Indesign, After-Effects, Premiere
- > Project management: Experience leading teams in the planning and execution of numerous student initiatives

Education

- > Candidate for Bachelor of Applied Science in Mechatronics Engineering
UNIVERSITY OF WATERLOO
Waterloo, ON SEP 2017 - JUN 2022
 - Presidents Scholarship of Distinction for 95%+ admission average
- > Ontario Secondary School Diploma
SIR ROBERT BORDEN HIGH SCHOOL
Ottawa, ON SEP 2013 - JUN 2017
 - Principal's Award for academic excellence and student leadership
 - Multiple subject awards including Physics, Calculus and Tech Design

Awards

- > PEO Ottawa Scholarship: Granted for passion in the field of engineering
- > OCDSB Recognition Award: Awarded by School Board for outstanding leadership
- > EduTOX Video Challenge winner: Made a video about the dangers of CFL bulbs