



Full stack web development and blockchain development



Aerospace engineer specializing in flight dynamics & control



Always learning and tinkering with projects to make life better

Objective

Postgraduate student looking for a co-op in software development. From control systems to blockchain, I am fascinated with understanding, developing, and, ultimately, improving complex systems.

Qualifications

- Experienced in various programming languages through coursework and industry experiences
- Quick to learn new technology, codebases, and complex topics without being intimidated
- Worked in diverse areas that required creative problem solving while delivering detailed and effective results
- Developed effective teamwork and project management skills through teaching and project teams

Experience

University of Michigan College of Engineering

Programmer	<i>Remote</i>	<i>April 2019 - current</i>
	Data visualization of various optimization concepts using LaTeX/Tikz/PGFplots and algorithms in python	
Graduate Student	<i>Ann Arbor, MI</i>	<i>Sep 2017 - April 2018, September 2018 - December 2018</i>
Instructor & Instructional Aide	Assisted in teaching 2nd-year and 4th-year students design concepts and providing feedback via presentations and graded assignments.	
Undergraduate Research Assistant	<i>Ann Arbor, MI</i>	<i>May 2016 - August 2016</i>
	Assisted in preparation of X-HALE aircraft for flight & structural testing.	

Lockheed Martin Aeronautics

Flight Controls Intern	<i>Palmdale, CA</i>	<i>May 2018 - August 2018</i>
	Developed program for uncertainty quantification & robustness testing during multi-input multi-output (MIMO) control system design.	
Flight Test Intern	<i>Edwards AFB, CA</i>	<i>June 2017 - August 2017</i>
	Supported flight sciences on the F-35 drag-chute testing program.	

Skills

Programming: Python, React, html/JS/CSS, node.js/Express, Hyperledger Fabric, Solidity, LaTeX, MATLAB, C/C++

Software Development: git, linux/windows, agile development, docker, CI/CD

Engineering: optimization algorithms, SolidWorks, CATIA V5, AutoCAD, Simulink, LabView

Education

George Brown College

Blockchain Development Program	<i>Toronto, ON</i>	<i>September 2019 - August 2020 (expected)</i>
	Full-stack and blockchain development using Ethereum and Hyperledger Fabric.	

University of Michigan

Masters in Aerospace Engineering	<i>Ann Arbor, MI</i>	<i>January 2018 - December 2018</i>
	Specialization in flight dynamics and control.	
Bachelor in Aerospace Engineering	<i>Ann Arbor, MI</i>	<i>September 2014 - December 2017</i>
	Minor in electrical engineering (control systems)	