

Aaron Lu

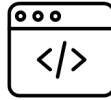
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Aerospace engineer
specializing in flight
dynamics & control



Full stack web
development and
blockchain development



Always learning and
tinkering with projects to
make life better

About Me

From control systems to blockchain, I am fascinated with understanding, developing, and, ultimately, improving complex systems.

Experience

Conflux Network

Research Engineer	<i>Toronto, ON</i>	<i>April 2020 - current</i>
Scoping and creating various technical integrations of decentralized technology		
Maintaining and growing developer relationships in the blockchain/Web3 space		

University of Michigan College of Engineering

Programmer	<i>Remote</i>	<i>April 2019 - April 2020</i>
Data visualization of various optimization concepts using LaTeX/Tikz/PGFplots and algorithms in python		

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, Javascript, Solidity, LaTeX, MATLAB, C/C++

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

Manufacturing: composites, metal/wood working, milling, 3D printing, soldering, microcontrollers

Web + Blockchain: React, html/JS/CSS, node.js/Express, Conflux Network, Hyperledger Fabric, Ethereum

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.		
Course work completed in numerical optimization and non-linear control.		

Bachelor in Aerospace Engineering	<i>Ann Arbor, MI</i>	<i>September 2014 - December 2017</i>
Focused on aircraft structural design and dynamics + control.		
Minor in electrical engineering (control systems)		