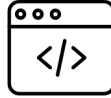# Aaron Lu

aalu1418@gmail.com
Portfolio: aalu1418.github.io
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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	*Toronto, ON*	*April 2020 - current*

Scoped and created various technical integrations of decentralized technology
Integrated Chainlink oracles and created test demonstrations for 3 other protocols
Grew the developer community through hackathons, workshops, etc

University of Michigan College of Engineering

Programmer	*Remote*	*April 2019 - April 2020*

Data visualization of various optimization concepts using LaTeX/Tikz/PGFplots and algorithms in python

Undergraduate Research Assistant	*Ann Arbor, MI*	*May 2016 - August 2016*

Assisted in preparation of X-HALE aircraft for flight & structural testing.

Lockheed Martin Aeronautics

Flight Controls Intern	*Palmdale, CA*	*May 2018 - August 2018*

Developed program for uncertainty quantification & robustness testing during multi-input multi-output (MIMO) control system design.

Flight Test Intern	*Edwards AFB, CA*	*June 2017 - August 2017*

Supported flight sciences on the F-35 drag-chute testing program.

Skills

Programming: Python, Javascript, Solidity, Go, 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, Conflux Network, Hyperledger Fabric, Ethereum, APIs

Education

George Brown College

Blockchain Development Program	*Toronto, ON*	*September 2019 - August 2020 (expected)*

Full-stack and blockchain development using Ethereum and Hyperledger Fabric.

University of Michigan

Masters in Aerospace Engineering	*Ann Arbor, MI*	*January 2018 - December 2018*

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

Bachelor in Aerospace Engineering	*Ann Arbor, MI*	*September 2014 - December 2017*

Focused on aircraft structural design and dynamics + control.
Minor in electrical engineering (control systems)