

Aaron Lu

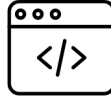
aalu1418@gmail.com

Portfolio: aalu1418.github.io

LinkedIn: @aalu1418



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

Experience

Conflux Network

Research Engineer

Toronto, ON

April 2020 - January 2021

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

Ann Arbor, MI

May 2016 - August 2016

Research Assistant

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

Toronto, ON

September 2019 - August 2020

Development Program

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

University of Michigan

Masters in Aerospace

Ann Arbor, MI

January 2018 - December 2018

Engineering

Specialization in flight dynamics and control.

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

Bachelor in Aerospace

Ann Arbor, MI

September 2014 - December 2017

Engineering

Focused on aircraft structural design and dynamics + control.

Minor in electrical engineering (control systems)