

Aaron Lu

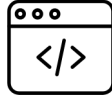
Portfolio: aalu1418.github.io

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From flight dynamics +
control to distributed
systems software



Fascinated with learning and
developing complex
systems



Always learning and
tinkering with projects to
make life better

About Me

From aerospace control systems to blockchain protocol integrations, complex systems has always been a fascination of mine. There is nothing quite like the adventure of exploring new areas and learning how it works.

Experience

Stealth Startup

Software Engineer

Remote

March 2021 - Current

Analyzed, integrated, and deployed distributed nodes to new blockchain families.
Quickly learned new topics (cryptography, new languages, etc) to facilitate integrations.
Co-authored proposals for scaling integrations and increasing developer velocity.

Conflux Network

Research Engineer

Toronto, ON

April 2020 - January 2021

Scoped and created various technical demonstrations of decentralized technology.
Grew the developer community through hackathons, workshops, etc.

University of Michigan College of Engineering

Programmer

Remote

April 2019 - April 2020

Data visualization of optimization concepts for a textbook (link) using LaTeX and python.

Graduate Student

Ann Arbor, MI

Sep 2017 - April 2018, September 2018 - December 2018

Instructor

Assisted in teaching 2nd-year and 4th-year students engineering design concepts through lab work.

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.

Skills

Programming: Go, Rust, nix, Python, Javascript/Typescript, React, Solidity, AWS

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)