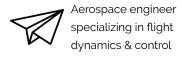
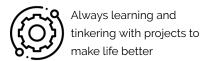


aalu1418@gmail.com Portfolio: aalu1418.github.io

LinkedIn: @aalu1418







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 Remote April 2019 - current

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

algorithms in python

Graduate Student Ann Arbor, MI Sep 2017 - April 2018, September 2018 - December 2018

Instructor & Assisted in teaching 2nd-year and 4th-year students design concepts and providing

Instructional Aide feedback via presentations and graded assignments.

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, 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 Toronto, ON September 2019 - August 2020 (expected)

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.

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

Engineering Minor in electrical engineering (control systems)