Forest Plasencia

Aerospace Engineer
Software Development

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ABOUT ME

Strong technical aptitude with work experience in technology fields. Interest in innovation and ability to learn quickly.

EDUCATION

The University of Oklahoma
Aerospace Engineering Major
Control System Research
3.3 Overall GPA

CLUBS

OU Multicultural Engineering
Design Build Fly OU
Sigma Chi Fraternity

SKILLS

C / C#
Matlab / Simulink
Solidworks CAD
Visual Studio
Javascript
Microsoft Office Suite
FAA Private Pilot

WORK EXPERIENCE

American Fidelity Assurance

Intern – Software Development
January 2017 – May 2017
Work on various teams to build internal applications in Visual Studio. Projects included writing unit tests, updating Angular JS web apps, writing C# services for SQL database, following MVC.

Zayo Group

Technical Intern – Network Control Center
June 2016 – August 2016
Reported to Director of Network Management. Developed script to automate alert process using Python / JavaScript.

Founder LLC – Sooner Launchpad

Co-Owner / CEO
June 2017
Participated in Sooner Launchpad, OU sponsored accelerator. Launched company with peers, acted as Developer and CEO, implemented BMC.

PROJECTS

Quadrotor / Octocopter Research

August 2017 - Present
Created octocopter simulation in Matlab (SimMechanics) to demonstrate stable control law. Undergrad research with Control Systems professor. Developing flight control system in C++.

Design Build Fly

August 2017 - Present
Worked with classmates to design an RC aircraft to compete in 2018 Design Build Fly competition. Member of structures team specializing in Fiberglass components.

Autonomous Hovercraft

January 2017 – May 2017
Developed with a group in C on Arduino. Built and coded a hovercraft that successfully solved a maze.

Wind Tunnel Study

August 2016 – December 2016
Ran various tests throughout semester in OU wind tunnel, leading up to a full report on design characteristics of the Boeing 787-8 Dreamliner.

Wing Structure Project

January 2017 – May 2017
Designed and built two versions of a wing semi-span. Wing was tested in negative and positive G-loading.