

PERSONAL STATEMENT

A self-motivated, knowledge hungry engineer. Certifications with tools and technologies like SolidWorks and machine learning showcase an inner drive to learn and improve. Experience with project management, data analytics, and material testing. Personal projects like PCB design and spare-time coding projects keep engineering skills sharp. Proficient with tools like Microsoft Office, Adobe Illustrator, MATLAB and SAS. Able and extremely willing to learn new methods and technologies quickly.

SKILLS

Table with 2 columns: Skill Name, Skill Level/Tool. Includes Ansys Structure Analysis, Auto Repair/Maint, Cisco IOS, Composite Materials, LabVIEW, Python, Linux Administration, Virtualization, EAGLE PCB Design, Solidworks/CircuitWorks.

HOBBIES & INTERESTS

Model Aircraft and UAS

Besides the UAS developed as a part of gaining an aerospace engineering degree, hobbies have included building, modifying, and designing model aircraft. Experience with both multicopters and fixed wing aircraft. Experience with LiPo/LiFe batteries and Nitro-powered planes and cars.

Programming and Electronics

Development experience includes advanced Arduino & Raspberry Pi programming projects, such as an onboard motorcycle computer and custom power monitoring PCB and code. Languages used include Python, C/C++, PHP, and HTML/CSS among others. Hosts a personal website from a Raspberry Pi. Experience with circuit design, multimeters, oscilloscopes, logic analyzers, and soldering.

CERTIFICATIONS

ML Completed August 2017 Machine Learning - License 53EEV4RDMTFD Stanford University via Coursera

SW Completed November 2017 CSWA - License C-KJ4J473HGH Dassult Systems SOLIDWORKS

RELEVANT EXPERIENCE

- Structural & Payload Design Engineer I, The Boeing Company Oklahoma City, Oklahoma
Test Engineer/Tech Lead, Principled Technologies, Inc Durham, North Carolina
Team Lead/Student Intern I, AT&T Durham, North Carolina
Aerospace Senior Design, NCSU Raleigh, North Carolina
Swim Coach, YMCA of the Triangle Holly Springs, North Carolina

EDUCATION

BS From 2010 to 2014 Aerospace Engineering, B.S. North Carolina State University
September 2017 to December 2017 Air Traffic Control Trainee Federal Aviation Administration Academy

HOBBIES & INTERESTS CONT.

Automotive and Metalworking

Cars, motorcycles and their engines/underlying mechanical structures - proficient automobile mechanic. Past projects include restoring old motorcycles and classic cars. Knowledge of MIG welding, metal casting methods, and basic woodworking principles. Have fabricated cast aluminium parts from 3D model, 3D printer, and green casting sand

Piloting

A total of 12 hours flight time logged in a Cessna 172. Soloed after only 10 hrs.