Griffin Colvin

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904 W. Green St.   215-847-1588   5 Pennsford Lane
Urbana, Illinois 61801   Media, Pennsylvania 19063

EDUCATION

University of Illinois, Urbana-Champaign, IL   August 2015-May 2019
B.S. Candidate: Major: Aerospace Engineering   GPA: 3.64/4.00
            Minor: Electrical Engineering
            Minor: Computer Science
Coursework includes:

Numerical Methods	Aerospace Structures	Dynamics
Aerospace Controls	Analog Signal Processing	Incompressible Flow

EXPERIENCE

Sherman & Reilly Textron, Chattanooga, TN   May - August 2017
Mechanical Engineering Intern
- Designed mechanical system for outrigger adjustment
- Corresponded with manufacturers and suppliers for costing and feasibility
- Tested existing products to collect and report results
- Prototyped design changes and tested to verify designs
- Designed with intent of cost reduction and ease of manufacturing

CAMPUS ACTIVITIES

Student Space Systems, University of Illinois, Urbana, IL
Engine Integration Team Leader   August 2016-Present
- Manufactured and designed a pressure-based rocket engine.
- Designed an automated mechanical valve system for fuel release and control.
- Performed CFD and FEA on the tank for structural soundness and heat transfer.

Flight Simulation Team   August 2015-Present
- Used CAD software to model and assemble a Stage 3 Rocket.
- Ran simulations on the rocket model with ANSYS Fluent CFD.
- Conducted simulations for special projects teams and other subdivisions.

AIAA JetCat P140-RX Engine, University of Illinois, Urbana, IL   August 2016-Present
Project Design Team
- Researched nozzle design and theory to create nozzle designs for manufacturing, simulation, and testing.
- Ran CFD simulations of nozzles using ANSYS Fluent CFD.
- Set up and electronic control system to adjust throttle and power output.

Habitat For Humanity
CARE Tutor
UIUC club golf team

SKILLS

SolidWorks (Proficient)	ANSYS Fluent (Intermediate)	Java (Basic)
MATLAB (Proficient)	ANSYS Static Structural (Intermediate)	Microsoft Excel (Basic)
Creo Parametric 3.0 (Intermediate)	Microsoft Word (Intermediate)	SAP (Basic)