

# FOSTER GRUBBS

Local Address: 1333 W 42<sup>nd</sup> St Norfolk, VA 23508  
Home Address: 6358 Glebe Hill Road Mechanicsville, VA 23116  
Cell Phone: 804-212-6891  
Email: cgrub001@odu.edu

## EDUCATION

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<b>Old Dominion University, College of Engineering</b>	Norfolk, Virginia
<i>Bachelor of Science in Mechanical Engineering Technology (BSMET) (In Progress)</i>	<b>Fall 2015 – Present</b>
<i>Engineering Management &amp; Music Performance Minor</i>	
<b>Hanover High School</b>	Mechanicsville, Virginia
<i>Advanced Curriculum Diploma</i>	<b>2011-2015</b>

## TECHNICAL SKILLS

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AutoCAD Inventor, MatLAB, Simulink, BetaFlight, Microsoft Office Suite

## PROJECTS, POSITIONS, AND LEADERSHIP

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<b>Fluid Mechanics Course Design Project</b>	<b>September 2018-December 2018</b>
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- *Worked with other students to design a coolant piping system for a hypothetical manufacturing facility*
  - *Gained experience with pump and motor selection, tank and fitting design, technical writing, Autodesk Inventor and various other fluid mechanics topics*
- *Technical Leader*
  - *Ensured that all technical requirements were understood and fulfilled*

<b>Old Dominion University's NASA Micro-g NExT Team</b>	<b>September 2016-June 2017</b>
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- *A student run team of six that participated in the testing of our device at the Johnson Space Center*
  - *Designed and manufactured a hand powered device to be used for asteroid mining*
  - *Testing Lead*
    - *Gained experience with material selection, Autodesk Inventor, technical writing, tool ergonomics and geotechnical engineering*

<b>Member of Phi Mu Alpha Sinfonia</b>	<b>January 2016-Present</b>
	<b>March 2019-Present</b>

- *Treasurer*
  - *In charge of budgeting for the fraternity*
  - *Keeps accurate records of expenses using Excel*
- *Recruitment Chair*
  - *Planned recruitment events for the organization*
  - *Oversaw a committee to aide in recruitment*

**April 2018-March 2019**

## Personal Quadcopter Project

- *Designed and built a custom racing quadcopter*
- *Gained experience with BetaFlight, PID control systems, Analog Video transmitters and receivers and part selection*

## Music Leadership

- *Monarch Marching Band Head Section Leader*
- *Principal Euphonium ODU Wind Ensemble*

## WORK EXPERIENCE

### Food Lion LLC

<b>Deli Associate</b>	Chesapeake, VA
<ul style="list-style-type: none"><li>• <i>Assisted customer with any inquires in a grocery food setting</i></li><li>• <i>Sliced and served various deli meats and cheeses to customers</i></li></ul>	<b>May 2018-August 2018</b>

### Old Dominion University Police Dept.

<b>Campus Patrol Aide</b>	Norfolk, VA
<ul style="list-style-type: none"><li>• <i>Worked directly with ODU Police Dept. and patrolled campus to provide added security for students</i></li><li>• <i>Provides escort service to safely escort students</i></li></ul>	<b>September 2017-April 2018</b>

### Wine and Beer Supply, Inc

<b>Warehouse Associate</b>	Ashland, VA
<ul style="list-style-type: none"><li>• <i>Worked as a team member to maintain and organize a storage facility</i></li></ul>	<b>May 2017-August 2017</b>

## REFERENCES

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### **Dr. Robert Ash**

Professor & Eminent Scholar  
Old Dominion University  
1315 ENGR & COMP SCI BLDG  
Norfolk, VA 23529  
rash@odu.edu  
757-683-4914

### **Joe Ritchie**

Director of First Year Academic Enrichment  
Old Dominion University  
2012 STUDENT SUCCESS CENTER\_  
NORFOLK, VA 23529  
jlritchi@odu.edu  
757-683-3712

### **Dr. Mike Hall**

Associate Professor of Trombone and Euphonium  
Old Dominion University  
2113 Diehn Center  
Norfolk, VA  
jhall@odu.edu  
757-683-4072