**Nelson Carlos Da Silva  
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**EDUCATION**

Old Dominion University, Norfolk, VA

Bachelor of Science in Mechanical Engineering May 2020 – GPA 3.4/4.0

**RELEVANT ENGINEERING EXPERIENCE**

**Gryphon Technologies, Engineering Co-Op Norfolk, VA May 2019-Present**

* Research and implement design alterations to U.S Naval Expeditionary Watercraft
* Conduct Stress Analysis testing on designs
* Lead engineer on major prototype alteration of a boat (managed 2 other engineers and drafting team)
* Conduct market analysis on assigned projects and provide technical evaluations for management
* Perform complex analyses, calculations and develop drawings
* Brief mid and senior level engineers on work statement

**PROJECTS**

**MicroSAT Senior Design Project, Oct 2019-March 2020**

* Developed and modeled, with inventor, a satellite capable of capturing space debris
* Lead a team of four senior students in brainstorming and modeling of satellite

**Robotic Arm, Fall 2019**

* Developed and modeled, with inventor, a robotic arm capable of moving and clicking a computer mouse

**Blacksmithing**

* Designed and created multiple objects from wrought iron by forging the metal

**Computer System Build**

* Built and assembled, from scratch, my own gaming computer

**RELEVANT COURSES**

Statics, Solid Mechanics, Dynamics, Fluid Mechanics, Thermodynamics, Computational Methods, Heat and Mass Transfer, Engineering Design, Engineering Ethics and Philosophy, Mechatronics, Mechanisms, Modern Materials

**LEADERSHIP**

Shift Manager for High Point Pool

Lead Engineer Major Prototype Design Alteration, Gryphon Technologies

**ADDITIONAL EXPERIENCE**

**High Point Pool,** Lifeguard and Shift Manager - Summer 2017

**Uber Eats Driver -** 2018/2019

**Staples,** Tech Retail Associate: computer hardware replacement, diagnostics, data migration - 2016

**SKILLS**

**Software:** AutoCAD, MATLAB, Solidworks, Microsoft Office Suite, FEMAP

**Languages:** Fluent in English and Portuguese, Semi fluent in Spanish

**Coding** **Languages:** Python, Html/CSS, Javascript

**ACTIVITIES AND HONORS**

Study Abroad in Rome, Italy Summer 2018

Old Dominion VEX Robotics Club

Sigma Pi Fraternity