

Eikra Shithil

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OBJECTIVE	Complete Master in Computer Science from Old Dominion University.		
EDUCATION	B.S. Aerospace Engineering Major and Mathematics Minor		June 2016-May 2019
	Virginia Polytechnic Institute & State University (Virginia Tech), A.S Engineering		Blacksburg, VA
	Northern Virginia Community College (NOVA),		January 2013-May 2016 Alexandria, VA
COMPUTER SKILLS	Programming Languages and Scripting:		Other:
	MATLAB C++ Mathematica	Python Arduino Java	XFlr5 XFOIL Tornado Auto Desk Inventor CES Edu Pack
EXPERIENCE	Systems Engineer Naval Surface Warfare Center, Dahlgren VA, <i>September 2020-Present</i>		
	<ul style="list-style-type: none">Oversee system integration in the United States fleet		
	Student Manager Personal Touch Catering, Virginia Tech, <i>August 2016-November 2019</i>		
	<ul style="list-style-type: none">Managing servers to organize and cater events to provide high quality service.Initiated employee resource groups to facilitate employee students to take initiative and engage with customers.		
	Assistant Manager Café De Bangkok, Blacksburg VA <i>July 2018-April 2020</i>		
	<ul style="list-style-type: none">Providing high quality service by delivering food and interpersonal quality.Managing special events, catering, parties and fundraisers.		
PROJECT & RESEARCH	Thin Haul Transport and Air Taxi:		Senior Design, <i>Aug 2018 – May 2019</i>
	<ul style="list-style-type: none">Designed and developed a thin haul transportation/air taxi.Wrote design concept reports for customer to review engineering requirements and specifications to meet customer's needs and design analysis.Used Xflr5, Mathematica, and MATLAB to evaluate stability and control analysis.		
	Fabrication and Analysis of Test Surfaces for Roughness Study:		
	CREATE (Center for Research in Experimental Aero/Hydrodynamic Technology) Virginia Tech, <i>Jan 2019 –May 2019</i>		
	<ul style="list-style-type: none">Fabricated epoxy roughness panels for boundary layer study commissioned by the Office of Naval Research.Improved and produced efficient techniques and solutions for various fabrication problems and oversaw fabrication process.Wrote research paper providing test results.		
	Flight Control Performance Visualization:		Non-Linear Systems Lab, <i>Jan 2018 – May 2018</i>
	<ul style="list-style-type: none">Built Arduino code to move test stand on which 5-hole air probe would be placed.		
	PISCIFORM Propulsion and Control:		Non-Linear Systems Lab, <i>Aug 2017 – Dec 2017</i>
	<ul style="list-style-type: none">Analyzed and sorted data that were acquired from wind tunnel.Built and tested Arduino code to move servo motors that propel wireless aquatic robot.Independently researched modern uses and experimentation of aquatic propulsion.		
	Airfoil Design:		Aero/Hydrodynamics , Virginia Tech, <i>Aug 2017 – Dec 2017</i>
	<ul style="list-style-type: none">Created and designed an airfoil.Calculated and simulated lift and drag analysis using XFOIL, MATLAB, and Mathematica.		
	Prosthetic Arm:		Foundations of Engineering, Virginia Tech, <i>June 2016 – Aug 2016</i>
	<ul style="list-style-type: none">Created 3D modeling, design, and drawings on Inventor and constructed prototypes for details and testing of a prosthetic arm.Calculated the dimensions and forces that meets the requirements and wrote pseudocode on MATLAB to assess prototypes' performance.		
	AWARDS	Dean's List:	
Dean's List:		NOVA 2014	
Presidential Scholar:		NOVA, 2015, 2016	
College Transfer Grant:		Virginia Tech, 2017, 2018	