

# Resume

## Ramsey Yunis

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**Citizenship:** USA

### STATEMENT OF PURPOSE

To obtain work as an aerospace engineer.

### EDUCATION AND SKILLS

#### Virginia Tech

M.S. (In Progress) Aerospace Engineering - Structural Dynamics Concentration

B.S. in Physics

Minor in Astronomy

#### Skills

Fluent in several programming languages including **MATLAB, Python, C/++**, **Java, PHP, JS, HTML**, and **SQL**. Extremely proficient at using **Linux**. Familiar with **Finite Element Modeling** and **Craig Bampton** model reduction. Experience with **Femap, Nastran**, and **LS-Dyna**.

### PROFESSIONAL EXPERIENCE

#### Relativity Space - July 2022-Present

Primary duty is performing Coupled Loads Analysis in support of Terran 1 and Terran R launch vehicle development.

#### GeoControl Systems - 2021-2022

Primary Duty was performing Coupled Loads Analysis in support of SLS, Orion, and Commercial Crew programs at Johnson Space Center.

#### ERC Inc. - 2020-2021

Primary duty was software development and testing of the Launch Control System at Kennedy Space Center.

#### Virginia Tech Physics Dept. - Summer 2019

Primary duty was data reduction and analysis of VLA data using CASA.

#### NASA Glenn Research Center - Summer 2018

Primary duty was designing hardware and updating previously developed software to include an API for using a swarm controller to control individual robots collectively.

#### NASA Glenn Research Center – Summer 2017

Primary duty was designing and developing the full stack of software needed to remotely control robots capable of performing a diverse set of tasks. Was given leadership over a high-school volunteer.

#### NASA Langley Research Center - Spring 2017

Primary duty was designing and developing the full stack of software used for the Remote Sensing Branch's web-based reference tool.

#### NASA Langley Research Center - Summer 2014

Primary duty was programming a secure web front-end for their Entry, Decent, and Landing simulation software.

#### Tutor for Harvard's CS50 Course - 2014-2015

Worked as an online tutor for students taking Rigorous Introduction to Computer Science (CS50).

#### Virginia House of Delegates Page Program - Spring 2012

Primary duties were assisting delegates in everyday tasks. Was assigned to the copy center and chamber floor on a weekly rotation.