

# Rohit Musti

portfolio website: <https://rohitmusti.dev> github: <https://github.com/rohitmusti>

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## Education

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University of Virginia Undergraduate GPA: 3.5, Graduate GPA: 3.7  
Bachelors of Arts, CS '19 Honors: Jefferson Scholar (full ride merit scholarship), Echols Scholar, Dean's List  
Masters of Science, CS '20 Focus: Artificial Intelligence, Natural Language Processing, Algorithms, Cryptography

## Work Experience

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### Red Hat: AI Center of Excellence

AI Research Intern Developing internal dataprocessing pipeline to clean and featurize data  
Summer 2019 Researching NLP question and answering and text generation techniques  
Developing an Open Source Question and Answer bot

### Amnesty International: Urgent Action Network

Consulting Developer Working to create a data analytics dashboard for the Urgent Action Network  
Fall 2018 - Present Coordinating a remote team to divy up work and stick to the delivery schedule  
Developing security protocols for writing and retrieving confidential data

### Red Hat: Open Innovation Labs

SRE Intern Worked directly with the SRE team to solve pressing back log items to stabilize dev-ops pipeline  
Summer 2018 Built search feature for the Open Practice Library from scratch to increase functionality of tool  
Automated infrastructure deployment of Open Shift and all relevant tooling  
Participated in the Open Innovation Lab's DevOps Enablement training

### The Impact Fellowship

Inaugural Impact Fellow A selective computer science fellowship focused on developing technical social entrepreneurs  
January 2 - 16, 2018 Completed courses on advanced computer science and web development tools  
Met speakers & leaders from NGOs, social startups, think tanks, and philanthropic organizations  
Developed a team project that automates mentorship of at-risk youth

### University of Virginia: Head Teaching Assistant

Head Algorithms TA Lead weekly recitations to recap lecture material Organize and facilitate weekly office hours  
Spring 2019 Create and administer course policies  
Design homework and exams and create test suites Hire and manage staff of TAs

## Research & Independent Projects

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### The Digital Governance Lab

Co-Founder Co-founded Digital Governance Lab (DGL) at UVA to support civic technology  
Spring 2019 - Present Co-wrote grant application to the Public Interest Grant: University Network from New America  
Co-teaching the pilot DGL class the speaker series and fundraising to support student fellows

### Student Taught Course: Spatial Reasoning

Instructor Created curriculum and course content with fellow instructor and Professor Luther Tychonievich  
Fall 2018 Built a website to host all relevant course documentation and policies  
Implemented research based lesson plans to increase student engagement  
Collected data on course to focus on data driven improvements for tangible change

### The Hult Prize

Competitor The Hult Prize is the world's biggest engine for the launch of for-good, for-profit startups emerging from universities with over 2500 staff and volunteers around the world  
Spring 2018 Competed in the regional finals as one of 3,000 teams out of 100,000 applicants  
Our idea was varying powerline currents to eliminate energy theft (a 90 billion dollar problem)

## Skills

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**Programming Languages:** Python, Java, C++, C, Javascript

**Tools:** L<sup>A</sup>T<sub>E</sub>X, Pytorch, Tensorflow, Ansible, Docker, Django, Markdown

**Project Management:** Git, Github, Gitlab, Agile, Trello, Asana