Rohit Musti

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Education

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: Deep Learning, Clustering, Natural Language Processing, Algorithms, Cryptography, Social Impacts of Technology

Work Experience

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, 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

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 class, co-running the speaker series, and fundraising to expand the lab

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

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

Tools: LaTeX, Pytorch, Tensorflow, Ansible, Docker, Django, Markdown

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