

# Ronith Ranjan

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## EDUCATION

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### University of Virginia

Graduation: May 2024

*BA Computer Science, Political & Social Thought, Economics (Minor); GPA: 3.96*

*Charlottesville, VA*

- **Activities:** Echols Scholar (Top 5%), University Judiciary Committee, Jefferson Debate Society, Resident Advisor
- **Relevant Coursework:** Algorithms, Data Structures, Computer Architecture, Robotics for Software Engineers, Theory of Computation, Open Source for the Common Good, Data Visualization, Advanced Software Development

### Thomas Jefferson High School for Science and Technology

August 2016 – June 2020

*Neuroscience Research; Student Body President and Class President; GPA: 4.42*

*Alexandria, VA*

- **Relevant Coursework:** Artificial Intelligence, Web Development, Linear Algebra, Multivariable Calculus
- Awarded scholarship for United States Senate Youth Program as one of two delegates for Virginia

## EXPERIENCE

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### Full Stack Software Engineer Intern

June 2021 – August 2021

*Curiosity Stream*

*Silver Spring, MD*

- Researched and implemented solution to metadata management problem for underlying recommender structure for over 4000 tags and 3000 titles
- Learnt and practiced proper coding practices to minimize technical debt and improved readability
- Led the project as sprint leader to completion for the final 2 weeks while coordinating with the CTO

### Engineering Director

May 2022 – Present

*Forge*

*Charlottesville, VA*

- Manage organizational software needs and coordinate with 6 different teams to create useful tools/projects
- Developed and maintain internal resume tool used by over 200 students for matching at over 40 companies
- Taught 46 students software engineering skills and tools over the course of 140 hours in preparation for their 9-week internship

### AI Economics Research Assistant

May 2022 – Present

*Economics Department at UVA*

*Charlottesville, VA*

- Collaborate with editors of upcoming *Oxford Handbook of AI Governance* on editing podcast episodes
- Summarize 49 chapters on AI related issues from governance to risk mitigation to be published with podcast
- Built a web scraper tool to collect email and publishing data on over 1500 economists from RePEc

### CS Teaching Assistant

January 2021 – Present

*Computer Science Department at UVA*

*Charlottesville, VA*

- Facilitate management of 150-person class with professor for CS 2102: Discrete Mathematics
- Hold office hours for nearly 450 students for 7 hours each week to support student learning each semester
- Substituted for professor and taught 4 different, hour-long lectures with short notice

## ACCOMPLISHMENTS AND PROJECTS

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**Published Paper in Journal:** Analyzed the current UVA data ecosystem and created recommendations for building a student-run open data community based on past successful models

**dearTJFresh:** Designed platform for alumni to share their experiences and resources for incoming students at TJHSST; coordinated with over a dozen alumni on writing essays and marketed website to increase traffic to nearly 1,500 users

**COVID Counties Visualization:** Designed and implemented an interactive website that mapped income, political viewpoints, and mask usage for over 3000 counties to better understand policy implications

**First Place Fannie Mae Challenge, HackTJ:** Used housing data and other available metrics (ex. Zillow) to predict future changes in loaning distributions with a 93% accuracy through a SVM and then displayed using MapBox

## TECHNICAL SKILLS

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**Languages:** Python, C++, JavaScript, HTML/CSS, Java, R

**Libraries:** React, D3.js, Django

**Technologies:** Git, Firebase, Heroku