

RONITH RANJAN

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EDUCATION

University of Virginia, College of Arts & Sciences GPA: 3.97 **Expected Graduation: May 2024**

- Pursuing BA in Computer Science and Political & Social Thought, Echols Scholar (5% of College)
- Relevant Coursework: Algorithms, Theory of Computation, Program and Data Representation, Open Source for the Common Good, Data Visualization, Microeconomics, Global Cultural Studies

Thomas Jefferson High School for Science and Technology (TJHSST) GPA: 4.42 **September 2016 – June 2020**

- Relevant Coursework: Artificial Intelligence, Web Development, AP Computer Science + Data Structures, AP Physics, AP Chemistry, Linear Algebra, Multivariable Calculus

LEADERSHIP

Co-Founder and CEO, UVA Open Data Project, UVA <https://uvaopendata.org/> *January 2021 – Present*

- Partner with UVA departments and organizations to collect datasets to analyze and explore
- Wrote a paper on long term plan for designing and build team: <https://ieeexplore.ieee.org/document/9483750>
- Advocate for more transparency and efficiency in the operations of student life, finances, and academics
- Create meaningful conversation on campus about what issues exist and how to address them

Counselor, University Judiciary Committee, UVA *September 2020 – Present*

- Represent accused and complainant students to protect their rights while upholding community of trust
- Redesign data collection system to keep track of useful, anonymized case data through the History Committee
- Digitizing and analyzing past 15 years of data to find ways to improve the UJC
- Served as a judge on the FYJC to administer education sanctions and overview 4000 students

President, Student Government Association, TJHSST *May 2019 – May 2020*

- Chief ambassador for student body of 1800 students to the administration, faculty, and outside organizations
- Managed a \$20,000 budget and addressed student issues in a timely manner
- Planned and executed all 15 SGA events and initiatives with a 21-person team

PROJECTS

Co-Founder, <https://www.deartifresh.com/> *June 2020 – Present*

- Design platform for alumni to share their experiences and resources for incoming students at TJHSST
- Coordinated and edited 14 letters from various alumni
- Marketed website to increase traffic to 1,200 users in the past 4 months

Researcher, Neuroscience Lab, TJHSST *August 2019 – May 2020*

- Investigated the effect of 60-minute runs on cognitive ability and EEG energy on six high school runners
- Extracted quality data and removed data noise by applying different mathematical analysis techniques (like FFT)

WORK EXPERIENCE & SERVICE

Launch Fellow, Forge, Charlottesville, VA *September 2021- Present*

- Teach over 50 students software engineering skills and tools over three weeks
- Build internal management and resume tool used by over 120 students for matching at over 40 companies

Teaching Assistant, Computer Science Department, UVA *January 2021 – Present*

- Help professor manage 150 students in CS 2102: Discrete Mathematics
- Hold office hours for nearly 450 students for 7 hours each week where reteach material and support student learning
- Substituted for professor and taught a lecture on logarithms with one week notice

Software Engineer Intern, Curiosity Stream, Silver Spring, MD *June 2021 – August 2021*

- Researched and implemented solution to metadata management problem for underlying recommender structure
- Learnt and practiced proper coding practices to minimize technical debt and improved readability
- Served as sprint leader to lead the project to completion for the final two weeks while coordinating with the CTO

ACCOMPLISHMENTS/AWARDS

Delegate from Virginia, United States Senate Youth Program (USSYP) *March 2020*

- One of two delegates from Commonwealth of Virginia selected for my dedication to and interest in public service

Finalist, National Merit Scholarship *February 2020*

First Place Fannie Mae Category, Hack TJ *April 2019*

- 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

SKILLS & INTERESTS

Languages: English, Spanish (Near Fluency; AP Spanish; Spanish Governor's School), Hindi (Working towards fluency)

Computer Languages: Python, JavaScript, HTML, CSS, Java, SQL, Swift

Software: Excel, MATLAB, Git

Completed Courses: Machine Learning with Andrew Ng (Coursera)

Interests/Hobbies: Running, Rock Climbing, Alto Saxophone, Table Tennis