Jeremiah Thomas

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Education

University of Virginia Charlottesville, VA
B.S. Systems Engineering, B.A. Physics, GPA: 3.68 2021
Minors in Computer Science and Design Integration

Selected Courses
Program and Data Representation, Digital Logic Design, Discrete Math,
Principles of Modeling for Cyber-Physical Systems, Quantum Mechanics

Experience

University of Virginia Wadley Group 2019
Research Assistant

- Materials science - metal alloys
- Characterizing materials with SEM
- Modeling alloying process

University of Virginia Gupta Group 2019
Research Assistant

- National Science Foundation REU
- Characterizing materials with lasers
- Thermoelectric thin films

University of Virginia Information Technology Services 2018-pres.
Help Services Intern

- Reviewing customer and technician complaints
- Comparing employee actions to troubleshooting guidelines
- Importing and maintaining internal knowledge base

Extracurriculars

- UVA Student Council 2018-pres.
  - Engineering Representative
  - Student Life Committee Member
- Engineering Student Council 2017-2019

Skills

Programming Languages:	C++, Java, MATLAB, Python
Other Software Skills:	Excel, LaTeX, SQL, Tableau

Projects

ResumeBlind *Python for NLP and regex*
Developed a webapp that removes names and emails from resumes to reduce bias based on perceived race or gender. Won third place at the Disrupt the District Hackathon in DC and a finalist spot for the UVA Entrepreneurship Cup Concept Competition.

Google Cloud and NCAA Machine Learning Competition *Python for machine learning*
Attempted to model March Madness results using machine learning packages in Python. Successfully predicted UVA's historic upset.

Projects for Class and Research *Ask me for info*
Automated greenhouse, electroluminescence, time resolved photoluminescence, etc.

Awards

Thermo Fisher Scientific Children of Employees Scholarship	2017-2021
Alwyn C. Lapsley Scholarship	2018
Dean's List	2017-pres.
National AP Scholar	2017
National Merit Finalist	2017