

JEREMIAH THOMAS

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EDUCATION

University of Virginia

B.S. Systems Engineering, B.A. Physics, GPA: 3.68
Minors in Computer Science and Design Integration

Charlottesville, VA

2021

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

Research Assistant

2019

- Materials science - creating metal alloys
- Characterizing materials with scanning electron microscopy
- Computer modeling of alloying process

University of Virginia Gupta Group

Research Assistant

2019

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

University of Virginia Information Technology Services

Help Services Intern

2018-pres.

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

Extracurriculars

- UVA Student Council
 - Engineering Representative
 - Student Life Committee Member
- Engineering Student Council

2018-pres.

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