

# JEREMIAH THOMAS

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## EDUCATION

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### 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

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### 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

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

Other Software Skills: Excel, LaTeX, SQL, Tableau

## PROJECTS

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### **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 fourth 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

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**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