

# JEREMIAH THOMAS

Andover, MA · jeremiah@virginia.edu · 978 208 9235 · jeremiah.systems

## EDUCATION

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### University of Virginia

Charlottesville, VA

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

2021

#### *Selected Courses*

Deterministic Decision Models, Data and Information Systems  
Human Machine Interface, Principles of Modeling for Cyber-Physical Systems

## EXPERIENCE

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### University of Virginia Wadley Group

2019

#### *Research Assistant*

- Characterizing materials with scanning electron microscopy
- Computer modeling of alloying process
- Visualization of modeling results using Python and Gnuplot

### University of Virginia Gupta Group

2019

#### *Research Assistant*

- National Science Foundation funded research
- Characterizing materials - solar cells - with lasers
- Depositing and processing thermoelectric thin films
- Collection, analysis, and visualization of data using Tableau, Excel, and Python

### 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

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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.

### **Deloitte Staffit Redesign** *Figma for wireframing*

Won class competition from Deloitte on their staffing system. Applied Systems Engineering concepts to improve user interface, interaction, and information flow and according to client functional needs.

### **Additional Class and Research Projects** *Ask me for info*

Automated greenhouse, time resolved photoluminescence, struggling with sound on Linux, etc.

## AWARDS

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