

## EDUCATION

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- **University of Virginia (2019 - 2023)** 3.99 / 4.00
  - B.S. Computer Science (Expected May 2023)
  - B.A. Economics (Expected May 2023)
    - \* Concentration in Public Policy
    - \* Kenneth G. Elzinga Scholarship recipient

## EXPERIENCE

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- **Software Engineering Intern / Capital One Financial** June 2022 - August 2022
  - Built a comprehensive web app unifying disparate types of cybersecurity information including events, threats, and knowledge bases
  - Engaged in daily meetings to showcase progress and discuss design ideas with project managers
  - Presented project to the Capital One cyber department
- **Policy Research Intern / Environmental Law Institute** June 2021 - August 2021
  - Research was published and featured as the lead article in the Environmental Forum's March-April 2022 issue
  - Researched and wrote a comprehensive literature review on the positive and negative effects of the Internet of Things on the environment
  - Proposed policy and governance recommendations and presented findings to staff
  - Wrote multiple papers to be published in ELI publications and online
  - Constructed a bibliographic analysis of 22k research publications in the field of AI and the environment, reporting findings to a team of researchers at ELI, Yale, and Berkeley
- **Research Assistant / Woodrow Wilson Center** June 2021 - August 2021
  - Worked one-on-one with a scholar to support research on China's role in international standard setting
  - Composed multiple short essays on China-US relations and technological decoupling
  - Read and analyzed papers in both Chinese and English language to create a comparative analysis of international perspectives on decoupling and the COVID-19 pandemic
- **Research Assistant / University of Virginia** August 2020 - Present
  - Designed and developed secure and usable Voice Personal Assistant software in C++ and Python that improves privacy controls on current industry standards like Amazon Alexa
  - Explored security and privacy vulnerabilities in Voice Personal Assistants to publish in research

## EXTRACURRICULARS

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- **Competitor / UVA Moot Court** Sept 2019 - Present
  - Wrote and argued complex Constitutional law cases to panels of judges
  - Only team from UVA to break into the round of 16 at Liberty University 2019
- **Guest Writer / Virginia Review of Politics** May 2021 - Present
  - Wrote and submitted guest articles on modern political theory published online

## PROJECTS

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- **Toxical**
  - Trained a neural network to intelligently moderate online conversations on platforms like Twitter and Discord
  - Developed a custom sentiment analysis algorithm that detects toxic comments with 80% accuracy
  - Algorithm was used at JHU APL for COVID-19 sentiment analysis on Twitter

## SKILLS

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- **Research and Analysis:** Wrote research papers on complex topics including IoT, AI, and China-US relations that were used and published by the Environmental Law Institute and the Wilson Center
- **Project Management:** Led project design by a team of interns modeling the COVID-19 pandemic in June 2020