

## EDUCATION

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- **University of Virginia (2019 - 2023)** 3.98 / 4.00
  - B.S. Computer Science (Expected May 2023)
  - B.A. Economics (Expected May 2023)
  - Relevant coursework:
    - \* CS 2150 Program and Data Representation, CS 4710 Artificial Intelligence
- **Launch Academy at HackCville (2019 - Present)**
  - Studied and applied data science skills through hands-on projects in a selective 16-week intensive program
- **Oakton High School (2015 - 2019)** 4.60 / 4.00

## EXPERIENCE

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- **Intern / Lepton Global / Vienna, VA** May 2019 - August 2019
  - Developed SQL databases and front-end software in MS Access to log network activity and outages
  - Built a custom desktop application to create and archive customer quotes and sales
  - Communicated with business partners and government agencies to secure procurement and service contracts
- **Software Engineering Intern / LendingPad / McLean, VA** Jan 2019 - May 2019
  - Developed AI to automate the processing and organization of customer reviews
  - Designed and trained a custom neural network to perform sentiment analysis in Python using Tensorflow
  - Achieved 90% accuracy, exceeding human accuracy when analyzing sentiment

## EXTRACURRICULARS

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- **Team Captain / Team America Rocketry Challenge** Sept 2016 - June 2019
  - Led school rocketry team in designing, building, and flying model rockets up to 1000 ft. while carrying electronics
  - Placed 14th in national rocketry competition finals
- **President / High School Digital Electronics Club** Sept 2018 - June 2019
  - Developed intelligent light-following robots for Johns Hopkins University Engineering Program
- **Team Captain / American Computer Science League** Nov 2015 - June 2019
  - Organized and tutored students to compete in CS competition focusing on CS theory and algorithms
  - Competed in finals (top 20 teams internationally) for two years

## PROJECTS

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- **Pystation**
  - Built a public internet radio station and cross-platform DJ software using the Shout protocol
  - Features cross-platform usability and powerful controls for DJs, including a 24/7 offline bot streamer
- **Toxical**
  - Trained a neural network to automatically detect and moderate online conversations on platforms like Twitter and Discord
  - Developed a custom sentiment analysis algorithm that detects toxic comments with 80% accuracy

## PROGRAMMING SKILLS

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- **Python, Java, C/C++, HTML, CSS, JavaScript, SQL, TensorFlow, Linux, Git**