

EDUCATION

- **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

- **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, archive, and synchronize customer quotes and sales across company computers
 - 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

- **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
 - Led a group of 15 students to learn, design, and build printed circuit boards and small robots
- **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

- **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

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