Andrew Li

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EDUCATION

- **University of Virginia (2019 - 2023)** — 4.00 / 4.00
  - B.S. Computer Science (Expected May 2023)
  - B.A. Economics (Expected May 2023)
  - CS 2150 Program and Data Representation
- **Oakton High School (2015 - 2019)** — 4.60 / 4.00
  - AP Computer Science A — Advanced Computer Science AB
  - Multivariable Calculus — Linear Algebra

EXPERIENCE

- **Intern / Lepton Global / Vienna, VA** — May 2019 - August 2019
  - Developed databases and front-end software to log network activity and outages
  - Communicated with business partners and government agencies to manage contracts
  - Worked in business development to secure new government 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

ACADEMIC EXPERIENCE

- **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 a payload
- **President / 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

PROJECTS

- **Pystation**
  - Built an internet radio station and DJ software built using the Shout protocol. Features cross-platform usability and powerful controls for DJs, including a 24/7 offline bot streamer.
- **Toxical**
  - A neural network to automatically detect and moderate online conversations through sentiment analysis of comments.

AWARDS

- **CyberPatriot Platinum Semifinalist** — 2018 – 2019
  - Placed in top 10% of teams in national cybersecurity competition
- **American Computer Science League All-Star** — 2017 – 2018
  - Competed in finals (top 20 teams internationally) for two years
- **Team America Rocketry Competition Finalist** — 2017
  - Placed 14th in national rocketry competition finals

SKILLS

- **Programming:** Python, Java, C/C++
- **Web Development:** HTML, CSS, JavaScript
- **Artificial Intelligence/Machine Learning:** TensorFlow
- **Databases:** MongoDB, Google Firebase
- **Systems:** Linux/GNU, Git