

# JASON HAN

jjhan@vassar.edu · github.com/jasonhan-vassar · Java, Python, Racket

## EDUCATION

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### Vassar College

BA; Computer Science, Economics, Minor Physics (undeclared)  
Relevant Coursework: CMPU 101, CMPU 145, CMPU 203

Poughkeepsie, NY  
Aug 2019 | May 2023

### McNair Academic High School

GPA: 3.9

Jersey City, NJ  
Sep 2015 | Jun 2019

## EXPERIENCE

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### Professor Benjamin Ho

*Independent Study*

Poughkeepsie, NY  
Oct 2019 | Present

- Using Python, measure the partisanship of charities using text analysis tools
- Scrape charity tax data from websites and analyze it using machine learning and semantic analysis

### Vassar College Computing and Information Services

*CIS Info Security Intern*

Poughkeepsie, NY  
Sep 2019 | Present

- Develop and beta test iOS/Android app for Vassar community
- Conduct vulnerability assessments and penetration testing, work with SIEM, and record and track IT security incidents

### Google CSSI-Coursera

*Student*

Jun 2019 | Aug 2019

- Using Java, completed the courses Algorithms on Graphs and Advanced Algorithms and Complexity, both offered by Coursera and paid for by Google
- Learned several algorithms pertaining to search problems and graph theory, including network flows, NP-completeness, and LP

## PROJECTS

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### Machine Learning and Image Processing Implemented in a De-weeding Ground Robot

*Python*

Sep 2017 | Present

- Designed a smart lawn robot to eradicate weeds in lawn environments in hopes of reducing herbicide pollution in urban/suburban communities; currently building prototype

### Tunneling Into the Future

Sep 2016 | Feb 2017

- Partner project on quantum tunneling, Moore's law, and its relation to the future of CPUs in sophomore year of high school; won silver medal

## LEADERSHIP & CAMPUS ACTIVITIES

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**Birdwatching Club**, President

Oct 2019 | Present

**The Miscellaney News**, Copy Staff

Sep 2019 | Present

**Debate Society**, Novice Representative

Sep 2019 | Present

## INTERESTS

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Tennis, reading, birdwatching, video games, The Office