

# HENRY CHEN

4145 Valley Dr ♦ College Park, MD 20742  
301-326-3233 ♦ [www.henrycs.me](http://www.henrycs.me) ♦ [contact@henrycs.me](mailto:contact@henrycs.me)

## EDUCATION

---

### University of Maryland

College of Computer, Mathematical, and Natural Sciences

*Bachelor of Science, Computer Science 4.0/4.0*

*Bachelor of Science, Statistics N.A/4.0*

College Park, MD

Cumulative GPA: 3.94

Expected May 2020

ACT: 36/36

### Public Leadership, College Park Scholars

August 2017 – Present

- Explores theory and practice of leadership through hands-on public service projects

### Top Performer, Capital One SWE Summit Challenge

November 2017

- Placed top 40 in MindSumo challenge – invited to the Capital One SWE Summit for Winter 2018

### Wolfram Alpha Award, MedHacks 2017

September 2017

- Placed top 15 in the Johns Hopkins Medical Hackathon with an app that identifies pills to warn users of potential side effects

## WORK EXPERIENCE

---

### National Institute of Standards and Technology

Gaithersburg, MD

*IT Laboratory Summer Intern*

June 2016 – August 2016

- Assisted researchers in publicizing *What's a Special Character Anyway? Effects of Ambiguous Terminology in Password Rules*
- Extracted and analyzed data sets of over 10,000 user-generated passwords for researchers to examine the correlation between password requirements and password complexity
- Developed 1600 lines of code in Java and JavaScript D3 library, used by NIST researchers
- Created software to automate password analysis and data visualization for researchers to condense and conceptualize data
- Tools here: <https://github.com/usnistgov/PasswordVizTool/>

### Private Tutor

Rockville, MD

*Afterschool tutor*

September 2014 – September 2016

- Tutored high school student for ~5 hours a week; helped with homework, tests preparation, and class participation
- Resulted in increased overall grade performance - C student to B student

## PROJECTS

---

### Air List (Live here: <https://air-list.herokuapp.com/>)

October 2017 – November 2017

- Web app analyzes AirBnB data from San Francisco to estimate and visualize hosting cost, investment, and popularity
- Developed 800 lines of code in JavaScript/NodeJS for real-time back-end analysis

### Freebie Magnet (Live here: <http://freebiemag.net/>)

October 2017

- Web app links users together by tracking free events and giveaways in their communities and allows organizations to log in and add events through the website
- Used JavaScript and Firebase

## LEADERSHIP EXPERIENCE

---

### UMD Gaming Club, Sandbox Admin

November 2017 - Present

- Host weekly events for members in the sandbox gaming subdivision of UMD Gaming
- Marketing intern on the Executive Board; learn how to effectively gain club funding and support

### Algorithm Club, Treasurer

November 2017 – Present

- Responsible for securing and managing club funding

### Potomac Chinese School, Teacher Assistant

September 2014 – June 2016

- Assisted teachers with grading and managing young students
- Helped coordinate school-wide community competitions and events with hundreds of participants

## SKILLS AND INTERESTS

---

Skills: Proficient in Java, C; Familiar in JavaScript; Basic functionality in Python

Involvements: Quantitative Finance Society (Developer)