

# Henry Williams

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## EDUCATION

### COLUMBIA UNIVERSITY

COMPUTER SCIENCE - MATHEMATICS  
May 2022 | Morningside Heights, NY

### THE MASTERS SCHOOL

HIGH SCHOOL  
June 2018 | Dobbs Ferry, NY  
Cum Laude Society - National AP Scholar - Dean's List (All Semesters)

## SKILLS

### TECHNOLOGY

**Programming Languages:** Python • Java • Ruby • R • Scala • Javascript  
**Web Development:** Rails • Wordpress • SQL • HTML • CSS • Bootstrap  
**Computer Science:** Machine Learning • Statistical Analysis • Data Visualization • Computational Biology • LaTeX

## EXPERIENCE

### MIKE GRAVEL 2020 | CHIEF OF STAFF

March 2019 – Present | Manhattan, NY

- Planned, architected, and led Former Senator Mike Gravel's campaign to shift the debate on war, democracy, and justice in the 2020 Democratic Primary.
- Designed Twitter strategy which attracted 40k donors, 100M engagements and 90k followers in three months.
- Wrote and directed a political ad that got 400k views.
- Built a staff of 100+ staffers. Wrote a comprehensive progressive policy platform.
- Got the candidate to 1%+ in major national polls. Profiled in the New York Times.

### EDLAB, TEACHERS COLLEGE | DATA SCIENCE INSTITUTE SCHOLAR

May 2019 – August 2019 | Columbia University, Manhattan, NY

- Researching the application of data science techniques to improve self-directed learning opportunities.
- Only freshman to be selected for the program.

### APPNEXUS | SOFTWARE ENGINEERING INTERN

June 2017 – August 2017 | Flatiron District, Manhattan, NY

- Worked to build and deploy business-critical optimization analysis software as a containerized cluster of jobs.
- Created Docker jobs on a Kubernetes cluster for dramatic speed and reliability improvements.

### ALBERT EINSTEIN COLLEGE OF MEDICINE | SUMMER RESEARCHER

July 2016 – Sep 2016 | Montefiore Medical Center, Bronx, NY

- Researched and co-wrote a paper on skew as a statistical measure in computational biology, submitted to ICIBM 2019.
- Found significant results in TCGA human cancer datasets and refined analysis using the R language.

### BIRCHBOX | SOFTWARE ENGINEERING INTERN

June 2016 – July 2016 | Flatiron District, Manhattan, NY

- Fixed and deployed a global warehouse logistics platform in Java, adding new functionality.
- Worked with international teams in London and Spain to roll out and test functionality.

### APPNEXUS | SOFTWARE LOGISTICS INTERN

June 2015 – July 2015 | Flatiron District, Manhattan, NY

- Created software in Python for managing JIRA bug tracking and project management.
- Other projects included an automated bug index and quarterly departmental dashboards.