

# Joseph Gibli

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## Education

### Carnegie Mellon University, Dietrich College of Humanities and Social Sciences

#### Quantitative Social Science Scholars Program

- Bachelor of Science in Statistics and Machine Learning
- Pursuing double major in Computer Science, minor in Economics
- GPA: 3.40 / 4.00

**May 2018**  
Pittsburgh, PA

## Relevant Coursework

- Principles of Imperative Computation
- Principles of Functional Programming
- Parallel and Sequential Data Structures and Algorithms
- Introduction to Computer Systems\*
- Introduction to Machine Learning (Masters)
- Probability Theory and Random Processes
- Introduction to Statistical Inference
- Modern Regression\*
- Human Processing and Artificial Intelligence
- Human Computer Interaction for Executives

## Experience

### GenAMap, Research Assistant

#### Machine Learning Department, Carnegie Mellon

- Contribute to a modern web app making machine learning accessible to biologists
- Design and implement intuitive data visualizations for genetic information using D3.js
- Learn how to work on a large scale software project with a diverse team

**Sept 2016 - Present**  
Pittsburgh, PA

### Habeas Corpus, Research Assistant

#### Machine Learning Department, Carnegie Mellon

- Utilized existing research tools to compare efficiency of ontology classification
- Developed an automated ontology editor using Javascript, D3.js, and MATLAB
- Presented concise findings to colleagues to drive the direction of our research

**Summer 2016**  
Pittsburgh, PA

### TravelWits, Marketing and Product Development Intern

#### Multimodal travel and budget vacation planning startup

- Planned and carried out experiments to improve acquisition and retention rates
- Made data-driven decisions to improve user experience and conversions
- Increased domain authority by 65% and reduced Alexa score by over 90,000

**Jan 2016 - May 2016**  
**Summer 2015**  
Pittsburgh, PA

## Leadership

### Carnegie Mellon First Year Orientation, Orientation Counselor

#### Week long student led initiative to help transition first years to college life

**Aug 2015 - Present**  
Pittsburgh, PA

### Alpha Sigma Phi, Secretary

#### Carnegie Mellon fraternity founded on principles of charity, honor, and patriotism

**Jan 2015 - Present**  
Pittsburgh, PA

### Higher Achievement, Youth Mentor

#### Mentorship organization for local, low-income Pittsburgh middle schoolers

**Oct 2014 - Present**  
Pittsburgh PA

## Technical Skills

**Languages:** Fluent in English, Spanish, and Hebrew

**Programming:** Experience using C, SML, MATLAB, Java, SQL, Python, Javascript, D3.js and HTML/CSS