Joseph Gibli

5918 Nicholson Street, Pittsburgh, PA 15217
(201) 888-2808 // jgibli@andrew.cmu.edu

Education

Carnegie Mellon University, Dietrich College of Humanities and Social Sciences   **May 2018**
Quantitative Social Science Scholars Program   Pittsburgh, PA
- Bachelor of Science in Statistics and Machine Learning
- Pursuing double major in Computer Science, minor in Economics
- GPA: 3.40 / 4.00

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   **Sept 2016 - Present**
Machine Learning Department, Carnegie Mellon   Pittsburgh, PA
- 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

Habeas Corpus, Research Assistant   **Summer 2016**
Machine Learning Department, Carnegie Mellon   Pittsburgh, PA
- 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

TravelWits, Marketing and Product Development Intern   **Jan 2016 - May 2016**
Multimodal travel and budget vacation planning startup   **Summer 2015**
- Planned and carried out experiments to improve acquisition and retention rates   Pittsburgh, PA
- Made data-driven decisions to improve user experience and conversions
- Increased domain authority by 65% and reduced Alexa score by over 90,000

Leadership

Carnegie Mellon First Year Orientation, Orientation Counselor   **Aug 2015 - Present**
Week long student led initiative to help transition first years to college life   Pittsburgh, PA

Alpha Sigma Phi, Secretary   **Jan 2015 - Present**
Carnegie Mellon fraternity founded on principles of charity, honor, and patriotism   Pittsburgh, PA

Higher Achievement, Youth Mentor   **Oct 2014 - Present**
Mentorship organization for local, low-income Pittsburgh middle schoolers   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