

Natasha Zella

Contact

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Programming

Python
d3.js
Angular.js
HTML5
CSS3
PHP
Git
R

Spoken Languages

English
Spanish
French

Education

Cornell University: B.S. in Information Science, Systems, and Technology

May 2017

Cumulative GPA: 3.08

- Relevant Coursework: Data-Driven Web Applications, Machine Learning, Data Structures and Functional Programming, Probability and Statistics, Ubiquitous Computing, Rapid Prototyping

Work and Leadership Experience

Software Engineering Intern

2016

Target Technology Services - Minneapolis, MN

- Developed iOS with software engineering team using Scrum and Agile methodologies
- Created multiple screens for an internal iOS application and styled the content of the app following UX guidelines
- Proactively trained and learned new technology areas such as Angular, SASS, and Typescript

Independent Researcher

2017 - present

Dr. David Mimno - Department of Information Science

- Investigating correlation of words with each other over time using natural language processing and matrix manipulations on a dataset of 14 million volumes
- Creating visualizations using d3 to interpret matrix manipulation results

Undergraduate Research Assistant

2012 - 2015

Dr. Alan Zehnder - Department of Mechanical and Aerospace Engineering - Cornell University

- Designed and performed experiments to test fracture patterns under torsional loading
- Collaborated with the Biotechnology Resource Center to visualize and analyze fracture patterns using micro CT scanning
- Awarded funding through a grant from Engineering Learning Initiatives
- Published in the International Journal of Fracture

Co-Instructor

2015 - present

Cornell Outdoor Education - Cornell University

- Guided groups of peers through the preparation and execution of two-night winter backpacking trips
- Planned and co-taught essential outdoor skills such as trip planning and navigation

Honors and Awards

Ryan Scholar - Cornell University

2012 - present

Louis Stokes Alliances for Minority Participation Scholar - Cornell University

2017

Engineering Dean's List - Cornell University

2016, 2017

Coder's Choice Award

2016

Target Technology Services - Minneapolis, MN

- Assembled and led a Target hackathon team composed of interns
- Won first place out of 150 participants

Life Adventures

Solo Appalachian Trail Thru-Hike

2015

tashastrails.com - Georgia to Maine

- Hiked over 2,189 miles in 4.5 months, maintaining a consistently high daily mileage
- Completed the "Four State Challenge": hiked 43.3 miles in one day

Solo Cross-Country Bicycle Tour

2014

tashastrails.com - Ithaca, NY to San Francisco, CA

- Bicycled solo and unsupported, riding 4,230 miles in 72 days
- Maintained a daily blog with a running total of 25,000 page views