

Max Daniels

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mgd.name

Education

BS in Computer Science + Math Combined
Northeastern University, Honors Program
Expected Graduation: 2023
1560 SAT, 35 ACT, named National Merit Scholar

Coursework

- Machine Learning (Graduate Level)
- Algorithms (Graduate Level)
- Linear Algebra
- Probability and Statistics

Tools and Languages

- Skillful:
Git, LaTeX, Java, Python, Tensorflow, Numpy
- Proficient:
HTML/CSS/JS, SQL

Experience

RESEARCH ASSISTANT – Northeastern University 2018-CURRENT

Student research assistant in Professor Paul Hand's lab. I study the applications of deep neural networks as image priors to solving imaging inverse problems.

SUMMER INTERN – Palletone, Inc 2018

Developed a prediction API for lumber pricing information and guided the implementation of new company data collection initiatives to improve lumber procurement techniques.

DATA ANALYST – The Kala Tedder Campaign 2018

Volunteer data analyst for a local school board campaign. Managed the preparation and distribution of voter information files for use in canvassing and phone banking.

STUDENT ACTIVIST & ORGANIZER – March for Our Lives 2016-2018

Founder and board member of Students Against Latent Terror, an organization promoting safe gun laws and student political action. I organized many local protests and voter registration drives, and spoke frequently at activist events as both a guest and MC.

Team awards: \$1500 in fundraising from community to host local March for Our Lives student rally.

RESEARCH ASSISTANT – University of Florida, CSSALT Lab 2017

Summer research assistant in the UF Center for Safety, Simulation, and Advanced Learning Technologies (CSSALT) lab. I implemented a user interface for manipulating 3D objects in their virtual reality medical simulation software.

FOUNDER & CHAIRPERSON – #PolkHacks 2016-2018

Founder and chairperson of #PolkHacks, a local student app development competition to promote technology education.

Team awards: \$5000 grant from the Ford Motor Company Fund, \$2500 grant from Mosaic, \$1000 grant from Publix Charities

Awards and Accolades

INTERNATIONAL COMPETITOR – Science Fair 2015-2018

Invited to attend the 2016 and 2017 Florida SEFs and the 2017 International Science and Engineering Fair (ISEF). Later invited to serve as a judge in the 2018 Polk Regional Science and Engineering Fair.

Individual awards: Mu Alpha Theta 2nd Place ISEF Special Award with \$1500 prize (2017), Polk Regional SEF Senior Division Best of Show Award (2017), Florida State SEF Mathematics and Computer Science Fourth Place Award (2015-2017).

NATIONAL QUALIFIER – Technology Student Association 2014-2018

Served variously as the President, Reporter, and Secretary of the Bartow High School Technology Student Association, which hosts technology-based competitions for high school students.

Individual awards: Coding National Qualifier (2018), Extemporaneous Speech State finalist (2018), Software Development State finalist (2015-2018), Webmaster State finalist (2014-2017), Chapter Team State Semifinalist (2014-2015)