

Steven L. Zeng

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EDUCATION

Pennsylvania State University – University Park

August 2019-Present

- Intended Majors: Computer Science B.Sc., Applied Statistics B.Sc. GPA: 3.85
- Intended Minor: Engineering Leadership Design
- Relevant Coursework: Data Structures, Calc./Vector Analysis, Digital Design Theory and Practice, OOP Java w/ Web-Based Apps, Intro to Systems Programming, Statistical Modeling I, Data Algorithms and Analysis

QUALIFICATIONS

Languages: Python, Java, HTML5, CSS, JavaScript (and JSX and TypeScript), C, R

Frameworks: NativeScript, Django, React Native

Tools: Git, VSCode, Jupyter, Angular, Firebase, Expo

PROJECTS

DACTR (tinyurl.com/notivate) [Nativescript + Angular, CSS, TS]

November 2019-Present

- Utilized GCP NLP to analyze sentiment and identify activity interests
- Integrated Google Maps API to query and display nearby locations with activities users enjoy
- Implemented Firebase authentication to facilitate login and signup processes
- Won \$7500 total sponsorship to further application idea development and implementation
- Currently revamping the application as *Notivate* using React Native + Expo

Deep Learning Projects (tinyurl.com/mgnet1) [Python, Google Colab]

June 2020-August 2020

- Utilized Pytorch libraries and CUDA functionality to create image categorization ML models
- Studied the application of logistic regression, MgNet, and Multigrid framework models among others
- Reached over 95% precision when categorizing datasets such as CIFAR-10 and MNIST

EXTRACURRICULARS

Engineering Consulting Collaborative (Treasurer, Consultant)

September 2019-Present

- Participated in multiple teams to form engineering-related cases in competitions with PwC and Deloitte
- Organized multiple fundraisers resulting in 20% increase in account balance
- Supervised monetary transactions for all club fees and dues

Engineering House (Treasurer)

January 2020-Present

- Collaborated with board to discuss and solve issues regarding the residence hall
- Controlled monetary flow and all required transactions
- Ensured financial regulations were followed

Student Space Program Lab (Researcher)

February 2020-March 2020

- Drafted Preliminary and Critical Design Reviews for 1000-ft vertical payload launch collecting data on pressure, temperature, and humidity

Future Business Leaders of America (Secretary)

September 2015-June 2019

- Facilitated club participation by creating/distributing club communication
- Ensured efficiency for team competitions by arranging transportation and paperwork for ~10 students
- Placed first for the Advertising comprehensive exam in the state competition at Hershey, PA
- Implemented new advertising methods such as participation in the club fair, a social media platform, and networking to help increase member count by almost 3x in two years

AWARDS/ACCOMPLISHMENTS

- PSU Dean's List December 2019-Present
- SEN Remote Innovation Grant August 2020
- Nittany AI Alliance Sponsorship November 2019-Present

INTERESTS

- Fitness (lifting/calorie counting), video editing, eSports, cooking, swimming, chess