

Brenden Sosnader

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Education

Penn State University, Schreyer Honors College

STATE COLLEGE, PA

Bachelor of Science in Computer Science & Statistics

Expected – Dec 2019

GPA: 3.96

Significant Coursework: Data Structures and Algorithms*, Systems Programming*, Mathematical Statistics*, Probability Theory, Discrete Mathematics, Object Oriented Programming with Web-Based Applications (* = in progress)

Minor: Music Technology

Experience

[HighPoint Solutions](#)

EAST NORRITON, PA

Intern

May '17 – Jul '17

- Scaffolded full stack application for contextually parsing and indexing 1000s of RFP document fragments
- Created Java application for contextual text extraction from Word and Excel documents
- Built Java RESTful web service for ingesting documents and returning indexable fragments
- Installed and configured Elasticsearch instance for indexing fragments for fast searching
- Developed web frontend in Angular to communicate with both services and display results
- Used Git for version control to facilitate collaboration with other intern working on project
- Increased productivity for project managers needing to utilize information from RFP documents

Intern

Jun '16 – Aug '16

- Built software solutions for internal services
 - Utilized skills in Java and Windows Server administration
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Activities

[FORM Consulting](#)

STATE COLLEGE, PA

Co-founder, Webmaster

May '17 – Present

FORM Consulting is a free mentoring service offered to high school students to provide assistance with all aspects of the college application process. I helped found the organization and built the website, and I am a full-time consultant as well.

[Camp Kesem, Central PA](#)

STATE COLLEGE, PA

Camp Counselor

Jan '17 – Present

Kesem is a nationwide community, driven by passionate college student leaders, that supports children through and beyond their parent's cancer. I raise money during the school year and volunteer at camp during the summer.

[PSU Fitness Graph Project](#)

STATE COLLEGE, PA

Creator

April 2017

As a personal project, I made a web app that scrapes data and displays a 12 hour graph of the attendance levels of the Penn State gyms. Link: <https://fitnessdb.tk>

[Boy Scouts of America](#)

TROOPER, PA

Eagle Scout

Mar '09 – Mar '16

My Eagle Scout Project was a used electronics drive to safely recycle old devices. It involved organizing outreach to raise awareness as well as logistics the weekend of the project.

Skills

Technical: Some languages I've worked with are Java, Python, and C. I'm also very comfortable with web development, using HTML/CSS, SASS, JavaScript, TypeScript/Angular, and RESTful services. Some experience with Octave/MATLAB related to machine learning. Some experience with SQL. Experienced with Git.

Certifications: Windows Security Fundamentals, Windows Server Administration Fundamentals