Brenden Sosnader

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Education

The Pennsylvania State University, Schreyer Honors College | University Park, PA

Bachelor of Science in Computer Science & Statistics *Expected – Dec 2019*
GPA: 3.98
Significant Coursework: Data Structures and Algorithms, Machine Learning & Algorithmic AI, Theory of Computation, Stochastic Modeling, Database Management Systems, Systems Programming, Mathematical Statistics, Probability Theory, Discrete Mathematics, Object Oriented Programming
Minor: Math

Experience

Susquehanna International Group, LLP | Bala Cynwyd, PA

Software Developer Intern *June '18 – Aug '18*
- Revamped in-house application for displaying and alerting on build test results
- Used JavaScript/Node/jQuery for dynamic frontend manipulation
- Transitioned C# WCF SOAP service to REST to improve ease of external use
- Reduced risk in core business area by increasing speed and usability via restructuring MySQL schema
- Added unit testing framework to frontend to ensure reliability
- Utilized Jira, Perforce, and Swarm to coordinate tasks and review code

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 service using Maven 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
- Hosted project using Apache Tomcat with authentication through Active Directory
- Increased productivity for project managers needing to utilize information from RFP documents

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Activities

Nearby Web Application | State College, PA

Developer *Jan '18 – May '18*
- Collaborated with other students to develop location-based, crowdsourced web application for finding local events
- Used Angular to develop frontend with user accounts, event posting and voting, and searching and filtering

FORM Consulting | State College, PA

Co-founder, Webmaster, Marketing Director *May '17 – Present*
- Free mentoring service to provide assistance to students applying to college
- Co-founded organization, built/maintain website, create marketing materials

Boy Scouts of America | Trooper, PA

Eagle Scout *Mar '09 – Mar '16*
- Eagle Scout Project was a used electronics drive to safely recycle old devices
- Involved organizing outreach to raise awareness/logistics the weekend of the project

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Skills

Technical: Comfortable with Python, Java, web development using HTML/CSS, SASS, JavaScript/Node/jQuery, TypeScript/Angular, and RESTful services. Some experience with MySQL, C#, and C. Some mathematical programming experience with R and Matlab. Experienced with Git and Perforce.