Current Address:
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Zachary A. Mosenson

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Permanent Address:
1411 E Woodbank Way
West Chester PA, 19380

Education

The Pennsylvania State University   **University Park, PA**
College of Engineering   Expected Graduation: May 2021
Bachelor of Sciences Degree: Computer Science   Cumulative GPA: 3.3/4.0
Minor: Cyber Security and Risk Analysis   Dean's List

Related Work Experience

Shadowbase Software Developer - Gravic, Inc   *Malvern, PA May 2018 - August 2018*
- Self taught the features and functionality of Gravic's Shadowbase Software, a Nonstop OS program that helps companies replicate big data between servers without downtime.
- Implemented the following features to Shadowbase's Queue Manager (QMGR), a sub-application that stores information sent along Shadowbase's audit trail into queue files:
  - Designed, developed, and debugged a utility that reads and decrypts complex queue files to simple and clean blocks of information, facilitating analysis and business decisions.
  - Increased productivity by developing the front-end for a search engine, enabling users to quickly scan through all of the Shadowbase manuals during a company-wide hackathon.

Leadership

Eagle Rank and Senior Patrol Leader - Boy Scouts   *Exton, PA 2010 - 2017*
- Led a team of 30 boy scouts in a 135-hour service project benefitting overseas military personnel.
- Led weekly meetings of 40 boy scouts and prepared them for upcoming campouts, and mentored them in completing instructions and requirements for merit badge achievement.
- Worked on various projects to improve the overall appearance of my local church/school complex.

Senior Leader, Computer Club - West Chester East High School   *West Chester, PA 2014-2017*
- Created software programs and completed qualifying tests for the American Computer Science League's international competitions.
- Mentored younger members and enriched their foundational learning of primitive data structures.

Extracurricular Academics

Association for Computer Machinery (ACM) - Penn State   *University Park, PA 2018*
- **DevPSU -** Students learn essential skills in the realm of computer science outside the classroom. For instance, the Fall 2018 semester focused on practical uses of Artificial Intelligence.
- **CodePSU -** Students compete to successfully complete challenging programming tasks similar to those that they will see beyond college.

Volunteerism

Merchandise Chair for Rules and Regulations Committee   *University Park, PA 2018*
Penn State Dance Marathon (THON, Pediatric Cancer Charity)
- Created logo design for committee merchandise as a fundraiser for THON participants.
- Worked with other members to create and enforce policies during THON weekend.

Skills and Qualifications

Computer Languages: Java, C/C++, Python, C#, HTML, CSS, Javascript, PHP, TAL, COBOL-85
Computer Technologies: Git/Hub, Microsoft Office, Microsoft Visual Studio, Atom, Eclipse, Brackets, Chrome Developer Tools, Firefox Developer Tools, Visual Inspect, HPE Nonstop OS and Procedure Calls, Unix, Linux