

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
College of Engineering
Bachelor of Sciences Degree: Computer Science
Minor: Cyber Security and Risk Analysis

University Park, PA
Expected Graduation: May 2021
Cumulative GPA: 3.2/4.0

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.

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.

Academic Tutor - West Chester East High School

West Chester, PA 2016-2017

- Tutored middle school students in a variety of STEM subjects.

Other Employment

Various Businesses: Delivery Person, Line Cook, Sales Associate, Umpire

Sea Isle City, NJ 2010-2017

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