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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: 3.3/4.0
Dean's List, Fall 2018: 3.62

Related Work Experience

Shadowbase Software Developer (Internship) - Gravic, Inc. **Malvern, PA May 2018 - August 2018**

- Self taught the features and functionality of Gravic's Shadowbase Software, a Nonstop OS program that enables companies to 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, 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.

On-Campus Experience

Association for Computer Machinery (ACM) **University Park, PA September 2018 - Present**

- **DevPSU** – University club focused on improving knowledge and skillsets applicable to real-world applications. The Fall 2018 semester focused on practical uses of Artificial Intelligence.
- **CodePSU** – Bridging the gap between computer science and business. Performed weekly, challenging programming tasks similar to those encountered in the business world.

HackPSU (aka "Hackathon") **October 2018**

- 24 hour competition for over 700 students working in small teams to develop technology to solve a real-world problem.
- Designed a web-based solution to assist park rangers efficiently and effectively navigate their state parks.

Merchandise Chair for Rules and Regulations Committee; **October 2017 – March 2018**

Penn State Dance Marathon (aka "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.

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.

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.

Skills and Qualifications

Computer Languages: Java, C/C++, Python, C#, HTML, CSS, Javascript

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