**RESEARCH INTERESTS**

Computer Science, specifically Model Checking, Concurrency and Automata Theory

**EDUCATION**

**California University of Pennsylvania,** California, PA Anticipated Graduation - May 2021

Bachelor of Science in Computer Science

Bachelor of Science in Computer Information Systems

**Baldwin High School**, Pittsburgh, PA June 2016

High School Diploma

**Steel Center for Career and Technical Education**, Jefferson Hills, PA June 2016

Certificate in Computer Information Systems

**WORK EXPERIENCE**

**Learning Assistant/STEM Lab Assistant (Computer Science Tutor)** August 2018 - Present

Learning Assistance Center, California University of Pennsylvania

* Tutor students in Computer Science topics, primarily in introductory level programming classes, and digital logic
* Teach Students effective studying and test-taking strategies
* Access student progress throughout tutoring sessions

**Community Assistant** August 2017 - Present

University Housing, California University of Pennsylvania

* Facilitate the check in and check out process for over 100 students per year
* Conduct rounds daily to ensure safety of students and the quality of facilities in the residence hall
* Resolve conflicts between students by leading well-communicated mediations
* Develop and coordinate educational programming for students

**Laboratory Assistant** September 2016 - May 2018

Chemistry and Physics Department, California University of Pennsylvania

* Conducted safety inspections to ensure safe operations of facilities in the Chemistry Department
* Performed daily rounds to ensure required equipment functioned properly
* Managed a rapidly changing spreadsheet of stored, currently used, and retired chemicals

**LEADERSHIP EXPERIENCE**

**Programming Club - Treasurer and Founding Officer** April 2019 - Present

California University of Pennsylvania

**Math Club - Treasurer** March 2018 - Present California University of Pennsylvania

**Lions Club - Vice President** October 2017 - Present

California University of Pennsylvania

**Boy Scouts of America - Committee Member**  May 2008 - Present

Troop 15 - Munhall, PA

**RELATED EXPERIENCE**

**Vulcan Flyer Bus Tracking System Application Development Team** September 2019 – Present

California University of Pennsylvania

* Created a method of implementation that involves hardware and software components and accounts for the interactions between them
* Communicate with the Department of Parking and Transportation to see how the application could be implemented on busses
* Implemented project strategy that will satisfy the needs of students, administrators and other developers

**Strike a Spark Conference: Web Application** February 2019 to April 2019

California University of Pennsylvania

* Identified flaws in a prior group’s development; modified approach to become compatible with the University’s Network
* Created a new design which utilized over 4 languages (HTML, JavaScript, PHP, SQL, Python)
* Implemented project strategy to satisfy the needs of event administrators as well as other developers

**Certification in Management Information Systems** May 2016

National Occupational Competency Testing Institute

* Used client-side Programming Languages to create Web Applications
* Applied Visual Basic and the .NET framework to create Applications
* Utilized Microsoft Access to create Databases
* Learned about computer hardware, specifically repair and maintenance
* Studied Troubleshooting and Information Technology Skills

**RELATED SKILLS**

● C ● HTML/JavaScript ● Microsoft Office

● C++ ● Java ● Troubleshooting

● COBOL ● Microsoft Access ● Python

● Eclipse, Microsoft Visual Studios ● Microsoft Assembly ● Visual Basic/.NET

**HONORS AND AWARDS**

**University Housing Service Award** April 2019

California University of Pennsylvania

**Dana R. Clay Award** May 2016

Baldwin High School

**Pius XII Award** February 2016

Boy Scouts of America

**Eagle Scout Award** October 2015

Boy Scouts of America