Sebastian Hernandez

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EDUCATION

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA, Pomona, CA
Bachelor of Science in Computer Science, Sept 2016 – May 2020
- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design and Program, Programming Graphical User Interfaces, Computer Networks, Software Engineering, Cryptography

PROFESSIONAL EXPERIENCE

MAXXESS SYSTEMS, INC., Yorba Linda, CA
Software Engineer Intern, May 2016 – Present
- Updated and expanded client-profile website and database consisting of client history and other critical info
  - Utilized ASP to enhance the user interface, developed SQL queries to perform functions, and resolved existing bugs by reviewing XML files and making necessary modifications to the ASP web page
  - This project resulted in more efficient data entry, greatly minimized the potential for human error, and allowed staff to run reports
- Assisted with the development of a new client application that tracks security access events and allows clients to schedule actions and link access control equipment to the security system
  - Formatted graphical user interface and developed data export functionality using logging functions
  - This project is in development and will improve the client experience and application functionality. It also provided an opportunity for me to gain more experience coding in C#
- Developed an application using C# and a hashing function to encrypt user passwords; the application was integrated into another application

RELEVANT SCHOOL PROJECTS

- **Munch** – An in-progress group project where the goal is to create a web service that allows users to order food from restaurants and get it delivered. As team lead, I am very involved in the development of the service, as well as making sure tasks are completed in a timely and orderly fashion
- **Hospital Management Program** - The purpose of the project was to learn how to design and build a project using the Software Development Life Cycle. As a member, I helped make design decisions as well as initiated work on the project. This project exposed me to working with AWS and connecting a server.
- **Senior Project** – The goal of the project is to improve an existing application that evaluates hand-eye coordination for special needs people. Functionality improvements includes adding components that will allow a scoring formula to be more customized for the user
- **Binary Search Tree** – The purpose of this project was to learn about the different methods of traversal when it comes to binary trees.

SKILLS

- Java, Python, JavaScript, C#, F#, C++, HTML
- Django, Scrum, PostgreSQL, AWS, SQL, Bootstrap

ACTIVITIES

- Participated in HackSC hackathon in Mar. 2019
- Computer Science in Society Club (CSS) – Member, 2017 - Present
- Software Engineer Association (SEA) – Member, 2019 - Present