Joshua Barrientos

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OBJECTIVE
Software Engineer with a bachelor's in computer science looking to expand and grow in the industry.

Clearance: Secret/SAP

EXPERIENCE
Northrop Grumman   07/2023 – present
Pathways Associate Software Engineer
- Supported Modeling and Simulation Team efforts in radar analysis and customer presentation.
- Identify causes of logic errors within a complex C++ code baseline advisory of M&S system engineers.
- Created python scripts to visualize data points into bokeh plots.
- Used Agile methodology and experienced use of the tools Jira and Gitlab to determine tasking.
- Collaborated and participated in regularly scheduled meetings regarding work and overall program status.
- Manually integrated updates of a complex codebase into the program's copy of the codebase.
- Documented workflow and processes regarding the Simulation runs to determine future ability to replicate, change input parameters, and discern the soundness of the output data.
- Repurposed a MATLAB script to loop over files over a chosen directory.

EDUCATION
California State Polytechnic University, Pomona   5/2023
Bachelor of Science in Computer Science   GPA: 3.65
Dean's List (fall 2019, spring 2021, fall 2021)

Notable Courses:
Data Structures and Advance Programming, Design and Analysis of Algorithms, Introduction to Programming and Problem solving, Software Engineering, Computer Graphics, Object-Oriented Programming, Radar101.

ACADEMIC PROJECTS
VR lab, Carnival Game Simulator Project Link   Spring 2022
- Gained experience creating a virtual reality environment using VR technologies such as Unity, the HIVE pro Headset, and the Meta Quest 2
- Transfer and collaborate work using Git Bash and GitHub
- Create C# scripts to create in game mechanics and interactions.

Simple Twitter Application Project Link   Fall 2022
- Showcased understanding of object-oriented programming design patterns such as singleton and composite pattern.
- Used knowledge of java swing to create UI components.

Skills
Languages: C/C++, Python, MATLAB, Java, MIPS assembly, HTML/CSS, Kotlin
Technologies/Environment: Linux, Visual Studio, VS code, Unity, Bitbucket, Jira, Beyond Compare, Git and GitHub, Gitlab, Android Studio, Spyder.

CERTIFICATION
Walmart Global Tech Virtual Experience Program   2022
CodePath Intermediate Android Program   2022