AMY VARGAS

Lawrence, NJ

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EDUCATION

The College of New Jersey   Ewing, NJ
Bachelor of Arts   *Aug 2019 - May 2023*
Major in Interactive Multimedia; Minors in Computer Science and Music Technology
Cumulative GPA: 3.979/4.0; Summa Cum Laude, Dean's List (every semester)
Relevant Coursework: Interactive Computing, Software Engineering, Database Systems, Game Development

EXPERIENCE

Green Cow Studios   Remote
Game Developer (Volunteer)   *Nov 2023 – Current*
- Actively participated in weekly meetings to discuss progress, identify bugs, and address development challenges.
- Maintained frequent communication with teammates to brainstorm, offer feedback, and ensure project alignment.
- Designed and implemented scripts for user interface elements, character movement, enemy AI, and combat mechanics, enhancing gameplay.
- Created 3D assets to elevate the visual quality of the game and support the artistic vision of the project.

New Jersey Department of Treasury   Trenton, NJ
Analyst Trainee   *Sept 2023 – Jul 2024*
- Proficient in project analysis, identifying key resources, tools, and methods for successful project completion.
- Gained professional customer service experience to ensure effective communication and collaboration between external and internal teams.
- Experienced in data interpretation and compliance, and collecting and analyzing data for adherence to regulations.
- Conducted industry research, basic legal analysis, and offering suggestions for organizational enhancement.

TCNJ Interactive Multimedia Department   Ewing, NJ
Games 1/2 Learning Assistant   *Aug 2022 – May 2023*
- Worked with fellow learning assistants to prepare and deliver exercises, demos, and class prep materials.
- Created and maintained a guide for basic coding fundamentals and C# scripts.
- Held regular office hours to aid students with Unity issues or questions on material covered in class.
- Selected for the role based on proficiency and skill in previous game development classes.

PROJECTS

PlantMe-NJ *(Kotlin, SQLite, Adobe Photoshop/Illustrator/XD)*   *Oct 2022 - Jun 2023*
- Designed and programmed a mobile application focused on gardening in New Jersey.
- Features include viewing plant details and weather conditions, a plant match quiz, and 3D AR visualization.
- Coded in Kotlin using Android Studio, featuring an SQLite backend and WeatherAPI integration.

Energy Supply Project Analysis *(Flask, Python, PostgreSQL, Javascript, HTML)*   *Feb 2022 - May 2022*
- Created a web application to present an energy efficiency analysis based on various energy types used by TCNJ's Sustainability and Energy Department.
- Coordinated with a team to focus on the energy supply distribution at The College of New Jersey.
- Project converted and organized Excel files into CSV files using Python and Shell and utilized a Flask backend using a PostgreSQL database with HTML, Bootstrap, and JavaScript as the front end.

SKILLS

Programming Languages: Java, Javascript, C# (Unity), PostgreSQL, Python, Kotlin, C++, Ruby, HTML, CSS
Adobe Programs: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe XD, Adobe After Effects
Software: Autodesk Maya, Unity, ZBrush, Git/Github, Visual Studio Code, Android Studio, WordPress, Microsoft 365, Jira, Trello
Audio Editing: Max8, Logic Pro, Audacity, Ableton Live