AMY VARGAS

avarg610@gmail.com | linkedin.com/in/vargas-amy/ | github.com/A-Vargas-GP

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; Dean's List (every semester)

Relevant Coursework: Interactive Computing, Software Engineering, Database Systems, Game Development

EXPERIENCE

TCNJ Interactive Multimedia Department Ewing, NJ

Games 1/2 Learning Assistant *Aug 2022 – May 2023*

- Collaborated with other learning assistants to prepare exercises and demos and delivered class preparation materials frequently.
- 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.

ACCR Pro-Bono Breakdown *(Ruby on Rails, PostgreSQL, HTML, Bootstrap)* *Sept 2022 - Dec 2022*

- Interactive website with a database that tracks pro-bono hours and services for the Atlantic Center for Capital Representation.
- Collaborated with a team of five individuals to record and export pro-bono hours as a CSV for inclusion in a grant proposal and to showcase to the organization's donors
- Project contains a system to enter, store, search, and discard pro-bono hour entries using Ruby on Rails and a PostgreSQL database with an HTML and Bootstrap front-end.

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, Trello, Figma
Audio Editing: Max8, Logic Pro, Audacity, Ableton Live