


Amy Vargas

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EDUCATION

The College of New Jersey

May 2023

B.A. Interactive Multimedia, Minors: Computer Science and Music Technology

GPA: 3.988/4.00

Deans List (every semester)

EXPERIENCE

TCNJ Interactive Multimedia Department

Aug 2022 - Present

Games 1/2 Learning Assistant

- Helped prepare exercises, demos, and class preparation materials each week
- Assisted with in-class demonstrations for assigned student challenge solutions
- Created and updated a guide for basic coding fundamentals and C# scripts;
Formed written agenda of class objectives with questions and demo explanations

PROJECTS

PlantMe-NJ (Kotlin, SQLite, Adobe Photoshop/Illustrator/XD, Autodesk Maya)

Oct 2022- Present

- Designed and programmed a mobile application focused on gardening
- Abilities includes selecting which New Jersey plants, mapping crop placement, and 3D visualization using AR
- Project is coded in Kotlin using Android Studio and features a SQLite backend

Energy Supply Project Analysis (Flask, Python, PostgreSQL, Javascript, HTML)

Feb - May 2022

- Coordinated with a team to focus on the energy supply distribution at TCNJ.
- Created a web application to view the energy usage fluctuation and present an energy efficiency analysis.
- 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 frontend.

Drawdio (Unity, Logic Pro, Procreate)

Sept - Dec 2022

- 2D Digital Illustration Application
- Coordinated with a team to focus on the benefits of art and interactive electronic music therapies
- Role included programming core functionalities with UI/UX aspects and conducting user testing
- Goal is to build visual & sonic environments by selecting a background, drawing & placing stickers

SKILLS

Programming Languages: C# (Unity), C++, Kotlin, Java, Ruby, PostgreSQL, Python, Javascript, HTML/CSS

Adobe Programs: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe XD, Adobe After Effects, Adobe Premiere Pro, Mixamo

Software: Unity, Autodesk Maya, Github/Git, Visual Studio Code, Android Studio

Music Editing: Max8, Logic Pro, Audacity, Ableton Live