

ANDY WU

(702) 682-6231 ◇ Las Vegas, NV

andywu803@gmail.com ◇ [linkedin.com/in/andywu803](https://www.linkedin.com/in/andywu803) ◇ andywu803.github.io

EDUCATION

Bachelor of Science, University of Nevada - Las Vegas
Major in Computer Science, Minor in Mathematics

December 2022

PROGRAMMING LANGUAGES AND SKILLS

Programming Languages C++, C#, HTML, CSS, JavaScript, Python, x86/MIPS Assembly, SQL
Tools, Frameworks, & Libraries GitHub, ASP.NET MVC, Seaborn, NumPy, Matplotlib, Sklearn

WORK EXPERIENCE

Programmer Analyst Intern— ASP.NET MVC, C#, HTML, CSS, JavaScript
Clark County Information Technology

August 2022 - April 2023
Las Vegas, NV

- Developed from scratch an internal use CRUD application with ASP.NET MVC in an agile development environment.
- Facilitated all communication, design, and requirements with the client/stakeholder in a two-person team, the programmer analyst and the business systems analyst.

PROJECTS

Ecommerce Assessment Model — Python, NumPy, Seaborn, Matplotlib, Sklearn

April 2023

- Analyzed data on session length on an app versus a website for an ecommerce company to determine whether development on the app or website is more vital.
- Demonstrated skills in NumPy, Seaborn, Matplotlib, and Sklearn to analyze data and create a Linear Regression Model through machine learning that can predict data.

Snake Game — Python

March 2023

- Built a snake game in Python using the turtle library, a built-in Python library that allows the user to draw shapes on a given virtual canvas.
- Designed controls for the game using WASD or the arrow keys, and implemented collision, scoring, and movement. The goal being to consume as many fruits as possible without colliding into the wall or the snake body.

FPPTools VSCode Extension — Typescript, FPP, C++, Python

May 2022

- Collaborated with NASA's Jet Propulsion Laboratory team as a focus group to develop tools that would suit their needs and implemented code completion and syntax highlighting through tokenization of the FPP language.
- Cooperated with a team of 11 people to develop a VSCode extension to provide language support for users of the FPP modeling language.

Mandelbrot Project — C#, .NET Framework

October 2021

- Applied computer graphics data structures, as well as the Mandelbrot set recurrence relation to create a graphic of the fractal and implemented zooming feature with recalculation of the recurrence to resize the image.

REFERENCES

Vincent Wong	702-455-4006 — Ming.Wong@ClarkCountyNV.gov	Operations Administrator
Kurtiz Le	702-455-0685 — Kurtiz.Le@ClarkCountyNV.gov	Programmer Analyst
Kendra Scott	702-330-2083 — Kendra.Scott@ClarkCountyNV.gov	Business Systems Analyst