Tucker Higgins

SOFTWARE DEVELOPER

PERSONAL DETAILS

Birth date
July 17, 1996

Nationality
United States

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San Francisco

CONTACT

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EXPERIENCE

● Game Developer (Monogame, C#)

PERSONAL PROJECT   May 2019 - Jan 2021

Crafted Functional clone of top selling PC video-game Stardew Valley. Coded custom engine using the Monogame framework with 30,000 lines of custom code including a fully functional collision system utilizing quad-trees, A* pathfinding algorithms, custom XML modding injections, a completely procedurally generated world with Perlin, Fractal, and Cellular Automata noise, and a multithreaded seamless chunk loading and unloading system. Designed NPC behavior system with dialogue and event moddability. Added Full player appearance and clothing customization.
(Repo is "SecretGame" on GitHub)

● Tokyo-International-Gallery Website (.Net Core, Razor Pages)

TOKYO INTERNATIONAL GALLERY   Sep 2020 - Nov 2020

Built a mockup of the current company website using .Net Core (Razor Pages) from the ground up using Microsoft Azure SQL cloud storage and Entity Framework Core.
(Repo is "ProjectStation" on GitHub)

● Indeed.Com Job Web-scraper (Python, Beautiful Soup)

PERSONAL PROJECT (PYTHON)   Sep 2020

Created custom web-scraper which sifts through html on Indeed.com and allows for efficiently and cleanly searching for specific jobs, printing them out to a simple .txt file. Utilizes the Beautiful Soup library.
(Repo is "Indeed-.Com-Web-Scraper" on GitHub)

● Xamarin Cross-Platform App (Xamarin, C#)

TOKYO INTERNATIONAL GALLERY   Sep 2020 - Oct 2020

Created mock-up IOS gallery app for Tokyo International Gallery. Successfully ran app on Android virtual machine.
(Repo is "TIG-App" on GitHub)

EDUCATION

● Major in Economics, Minor in Computer Science

LOYOLA MARYMOUNT UNIVERSITY   Aug 2015 - May 2019

TECHNICAL SKILLS

- **100%** C# (.Net Core, Azure, MVC, Xamarin)
- **25%** Python (Beautiful Soup)
- **75%** HTML, CSS, SCSS, Bootstrap
- **50%** Java

ACCOMPLISHMENTS

- ✅ LMU Achievement Award Scholarship
- ✅ LMU Economics Honor Society
- ✅ 92nd percentile in writing portion of GRE

RELEVANT COURSEWORK

- ✅ Data Structures
- ✅ Algorithms
- ✅ Networking