Grant Poquiz|gpoquiz.me

BS (3.808) and MS (3.750) in Computer Science

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Work

Software Developer II - Paycom

February 2022 - Current

C# .NET development working with Paycom's Year End Utility. Generation and management of W2's, 1099's, and other tax forms.

Software Developer II - Paycom

June 2021 - January 2022

Full stack development working with Paycom's Payroll module. PHP backend work, Javascript frontend, and mySQL/FoxPro database management. Experience with navigating large codebases and a huge variety of systems.

Computer Science Mentor - UTD CS Department

August 2019 - May 2021

Assisting Undergraduate students with C++, Java, Discrete Math, and Data Structures.

Projects

AWS Image Rekognition Framework Python (boto3 API), NoSQL, CloudFormation Scripts Worked with a team to provide cloud formation scripts for setting up AWS Rekognition services.

Automated SUTA Rate Updates PHP, MySQL, RabbitMQ, Orchestrator Architecture Paycom Project for automating clients' SUTA Rate Updates.

Payroll Late Submission Reminders

PHP, MySQL

Paycom Project for reminding clients of upcoming or missed payrolls.

Multidimensional Cellular Automata

C++, Unreal Engine 4

An Unreal Engine Project for making cellular automata (games of life) in generalized dimensions.

Virtual Reality Quiz

C#, Unity

Worked with a team to create quizzes for VR. One multiple choice style, one Geoguesser style.

Mobile "Pop the Balloons" Game

Java, Android Studio

A game with a scoring system and collision detection. Made with Android Studio for mobile devices.

Graduate Coursework

Machine Learning

Python (numpy, sklearn)

The ID3 and the Nearest Neighbor algorithms. Formal models for analyzing learnability.

Virtual Reality

Unity Game Engine (C#

In-depth overview of VR, including 3D navigation techniques, 3D selection and manipulation techniques, interaction, scenario, and display fidelity.

Computer Graphics

Java

Coordinate systems, Geometric transformations, basic 2D drawing primitives, Imaging in 3D. Fractals and the Mandelbrot set.