

Shuao Chen

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Experience:

Software Developer, Delaware Diagnostic Labs

May 2022 - Current

Education:

Temple University, College of Science & Technology, Philadelphia PA

Bachelor of Science in Computer Science, May 2022

Coursework:

Data Structure and Algorithm, Data science, Web Application Programming, System programming & Operating Systems, Software Design, Wireless Networks and security, Practicum in Software Construction, Mobile Application Development

Projects:

Assembler Game Capstone Project (C#, Unity, AWS)

- Collaborated with classmates to create a 2D multiplayer game for capstone project.
- Designed and implemented scripts for procedurally generated maps using perlin noise.
- Implemented scripts to randomly generate iron, copper and rock on the map.
- Implemented A* algorithms for AI enemies pathfinding function.
- Built a customization menu for map generation.

Image Hosting API (Java, Spring Boot, AWS)

- Built an image-hosting API, this API can be called to upload and download images from Amazon S3.
- Designed and implemented a RESTful web service that can post and fetch images from AWS server.

Weather Web App (JavaScript, HTML, CSS)

- Developed a web app that takes in the user input of a location and returns the weather information of that location using OpenWeather API.
- Designed and implemented user interface.

Note-Management-Web-App-API (Java, Spring Boot, AWS)

- Built the backend data-storage code for a note-taking web application.
- Implemented endpoints that can store, fetch and delete user and note information from DynamoDB.
- Implemented code that can generate QR code using user id.
- Deployed on AWS EC2 instance.

Skills:

Languages: Java, Python, C, C#, Kotlin, SQL, JavaScript, HTML, CSS, PHP

Technologies: Linux, Git, Android Studio, MySQL, Spring Boot, Unity, AWS, .NET, Laravel