

Wuheng (Reg) Yu

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📍 Philadelphia, PA

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EDUCATION

Drexel University (Sept 2019 – June 2023)

Bachelor of Science in Computer Science

Philadelphia, PA

GPA: 3.60

SKILLS

Programming Languages: Java, Python, C#, C, TypeScript, SQL, HTML/CSS/Javascript, Scheme, MATLAB

Tools and Frameworks: Spring Boot, React, Flask, AWS(EC2, RDS, S3) Microsoft Graph, Twilio, Google Maps, GitHub, CI/CD, Jira, Figma, Postman, Gradle, Maven, Docker, Flyway, JWT, OAuth2, IntelliJ, VS Code, Unity, Maya

EXPERIENCE

Dynasty 11 Studios (Software Engineer)

Sept 2022 – Jan 2024

- Improved server security through Java Spring Security integration, enabling granular access control for over 100+ RESTful endpoints
- Implemented Figma UI designs onto the application frontend, utilizing React with Typescript and Tailwind CSS for seamless integration
- Integrated OAuth2 with Google Sign-In, providing users with seamless and secure login functionality
- Designed and executed SQL migration scripts using Flyway, ensuring smooth database transitions with a focus on data integrity and performance
- Designed and implemented a system for uploading application media to AWS S3, significantly improving media upload organization and efficiency
- Incorporated Google Admob rewarded ads, boosting ad revenue by 10%
- Enhanced server security through HTTP request interceptor and JSON Web Token (JWT)

Sharing Excess (Software Developer)

March 2020 – Sept 2020

- Utilized Python and the Flask web framework to create a Food Distribution app, resulting in substantial enhancements to food delivery coordination
- Leveraged Bootstrap Tour to create an engaging user onboarding series, accelerating product adoption by 20%
- Implemented automated SMS notification using Twilio API, reducing manual phone calls by 50%
- Enhanced login security measures via Twilio API SMS verification
- Integrated Google Maps API to coordinate and track deliveries

PROJECTS

Survey/Test-Taking System

Oct 2021 – Dec 2021

- Applied object-oriented programming (OOP) principles and software design patterns to construct a survey/test-taking system
- Implemented a menu-driven interface that allow users to create, view, modify, save, and take a survey or test
- Utilized Java Serialization to store and load data objects

Bank Software System

Oct 2020 – Dec 2020

- Applied Test-Driven Development (TDD) principles to write efficient code and build a loosely coupled bank software system
- Wrote over 170 test cases to verify and validate a program
- Used mutation testing to check for missing test cases