Reg Yu

✉ regyu.dev@gmail.com ☎ 267-575-2882 📍 Philadelphia, PA in Reg Yu ○ Reg

EDUCATION

Drexel University (*Sept 2019 – June 2023)*   Philadelphia, PA
Bachelor of Science in Computer Science   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