

Chang “Gloria” You (She / Her)

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RELEVANT EXPERIENCE

Production Engineering Fellow Jun 2021 - Aug 2021 // Remote

@ Facebook & Major League Hacking

- Selected from over 10,000 applicants for joint software and systems engineering program with Facebook
- Administered, configured, and upgraded Linux systems, added database caching and configured applications for running in production with Bash and Python
- Built and manage a production Linux infrastructure efficiently
- Set up CI/CD to monitor applications, automated deployment and configuration process, improved memory management, latency, and response times by 10%

Software Engineer Intern @ Bargo Pay July 2020 - Sept 2020 // Remote

- Launched Blismo (for consumer) and Blisness (for local business) in iOS App Store and Google Play
- Implemented coupon collection feature with asynchronous Flutter frontend
- Designed APIs and database schema for takeout feature. Implemented Backend and REST API using NodeJS, Express, and Firebase.
- Built rate limiter and improved average API response time by 11x

PROJECTS

Job+: AWS Web Service Development – Job Search & Recommendation

- Designed and implemented an interactive web page using HTML/CSS/AJAX for users to search and apply for available job positions. Used favorite records to provide personalized position recommendations
- Used MySQL on Amazon RDS to store position data fetched from GitHub API
- Designed algorithms (content-based) to implement job recommendations
- Deployed server side to Amazon EC2 to handle 150 queries per second tested by Apache JMeter

Starlink: React JS based Starlink Trajectory Visualization

- Designed and developed a visualization dashboard using ReactJS and D3 to track satellites in real-time based on geo-location
- Built location, altitude, and duration-based selector to refine satellite search
- Animated selected satellite paths on a world map using D3 to improve the user-friendliness. Deployed the dashboard to AWS for demonstration

Hermes: Spring and Hibernate based Shopping and Ordering system

- Built a web application based on Spring MVC for users to shop and order items online, support item search and listing (dependency injection, inversion of control, REST API, etc.)
- Implemented security workflow via in-memory and JDBC authentication provided by Spring Security. Developed a Spring Web Flow to support item ordering
- Utilized Hibernate to provide better support of database operations

Tinnews: Tinder-like News App

- Designed Instagram Flavor News app based on Google Component Architectural MVVM Pattern. Implemented the bottom bar & page navigation using JetPack navigation component
- Built Room Database with LiveData & ViewModel to support local cache and offline model. Integrated Retrofit and Rxjava to pull the latest news data from a RESTFUL endpoint (newsapi.org)

EDUCATION

Santa Clara University

Santa Clara, CA

B.S. Computer Science and Mathematics (GPA: 3.85)

Expected: June 2023

Relevant Coursework

Programming Languages

Theory of Algorithms

Database Management

Operating Systems

Embedded Systems

Data Structure

Cloud Computing

Computer Networks

SKILLS

Programming Languages

Java, Python, JavaScript

CSS, Ruby, Go, C++, Scala

Databases & Frameworks

MySQL, MongoDB,

PostgreSQL, Ruby on Rails

React, Node.js, Django

Tools & Platforms

Git, Unit Test, Docker, Scrum

Agile, Android Studio, Linux

LEADERSHIP & ORGANIZATIONS

Founder & Lead -

GDSC (Google Developer Student Club) SCU Chapter Committee Member -

AnitaB.org Mentorship

Program for Women in Tech

Member - SCU ACM, Tapia Lesbians Who Tech, GHC

Society of Women Engineers

INTERESTS

K-Pop Dancing, Volunteering

Investing Reading, Workout

Traveling, Design, Piano