

# Chang (Gloria) You (She / Her)

✉changyou1009@gmail.com ☎702-849-9936 ⌂Santa Clara, CA ⌂chang-you.me ↗@chang-y ↗@chang-you ↗

## RELEVANT EXPERIENCE

### **Production Engineering Fellow @ Facebook & Major League Hacking**

*Jun 2021 - Aug 2021 // Remote*

- 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**

*Front End:*

- 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

*Back End:*

- 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