Angela Sun

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EDUCATION

University of Southern California, Viterbi School of Engineering   Los Angeles, CA
B.S. in Computer Science   ***Expected May 2024***
M.S in Computer Science   ***Expected May 2025***
- **GPA**: 3.72/4.00 | **Honors**: Dean's List (Spring 2021-Spring 2023), Presidential Scholar
- **Technical Skills:** Python, C++, HTML/CSS, JavaScript, Swift, React

WORK EXPERIENCE

Develop For Good   **October 2023 - Present**
Software Engineering Intern   *Los Angeles, CA*
- Develop web page using Flask and React for the National Police Data Coalition, allowing journalists and attorneys working in the police accountability space to share their data in a secure data environment

SoFiit   **September 2023 - Present**
Software Engineering Intern   *Los Angeles, CA*
- Digital fitness startup aiding 100+ students in finding workout buddies to achieve fitness and wellness goals
- Expanded user base by 5+ universities beyond USC students by using Swift and Firebase backend technologies to enable users to select their school and access a tailored single sign-on page on iOS app

Bank of America   **May 2023 - August 2023**
Software Engineering Intern   *New York City, NY*
- Designed and built a chatbot using RASA AI framework to support 15+ inquiries for over 20,000 businesses, enhancing responsiveness and reducing dependency on human resources
- Utilized spaCy, TensorFlow, Regex, and DIET for natural language processing of user messages
- Developed RESTful Web API using Tornado to query Sandra databases for back-end chatbot support
- Integrated Flask and 5+ Adaptive Cards into chatbot's React-based front-end for an intuitive user experience
- Led a 5-person team in developing a website that enables users to query 100+ BofA acronyms from a glossary by combining a Python-backed solution with a SQLite database and a Streamlit front-end

Northrop Grumman   **May 2022 - August 2022**
Cybersecurity Analyst Intern   *Woodland Hills, CA*
- Automated data visualization for 10+ programs from DOORs database to Confluence using Python scripts
- Overhauled user system design for 300+ users with SIMS software, streamlining operations time and ensuring sector compliance while ensuring meeting of internal standards
- Detected and resolved 15+ program security vulnerabilities through weekly audits and NIST risk assessments

PROJECTS

Map My Meals iOS App | ** Swift, Firebase, Yelp API, iOS APIs   **Spring 2023
- Developed full-stack iOS app for exploring nearby restaurants' Yelp reviews, contributing personal reviews with ratings and pictures, and visualizing reviews as map markers
- Integrated Yelp API and iOS frameworks such as PhotoKit and MapKit to design interfaces of restaurant lists
- Leveraged Firebase (Cloud Firestore, Authentication, Cloud Storage) for seamless user account creation, management, authentication, and data handling

Drink Delivery Android App | ** Java, Firebase, Espresso, JUnit, Google APIs   **Spring 2022
- Collaborated in a 3-person team to develop an Android app for nearby shop discovery and drink orders
- Implemented geotagging and efficient route planning using Google APIs
- Utilized Firebase for user account management, authentication, and order processing, ensuring code quality through extensive testing with 10+ Espresso and JUnit tests

LEADERSHIP

- Queers in Engineering, Science, and Technology (Corporate Chair): Organized LGBTQ+ engineering events
- Women in Computing (Director of Projects): Guided 20+ female students in project development
- Undergrad Teaching Assistant: Supported 100+ students in Computer Systems course by hosting office hours
- Open Alpha (Game Developer): Designed and developed Bone Boy, a 2D platformer game, using Unity
- USC Formula SAE Racing Team: Executed foam-core and honeycomb-core wet-layups with carbon fiber to manufacture race car exterior panel