

# Xiangyu Olivia Xu

(504) 881-3209 | [oliviaxu0528@gmail.com](mailto:oliviaxu0528@gmail.com) | Seattle, WA

[gitlab.com/oliviaxu0528](https://gitlab.com/oliviaxu0528) | [github.com/oliviaxu0528](https://github.com/oliviaxu0528)

## Full Stack Software Engineer

### TECHNICAL SKILLS

- **Programming Languages:** Python 3, JavaScript ES6+, SQL, HTML5, CSS, Node.js
- **Front-End Technologies:** DOM manipulation, WebSockets, React, React Hooks, Redux Toolkit
- **Back-end Technologies:** Django 4, PostgreSQL, MongoDB, RestfulAPI, RabbitMQ, Express.js
- **System Design:** Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing.
- **Dev Tools:** Git, Gitlab, Insomnia, Docker

### APPLICATION DEVELOPMENT EXPERIENCE

#### Full-stack Project - Narrative Ninjas | Dall.e-2 API, PostgreSQL, Python, React, SQL, FastAPI, Docker, Caprover | 2023

- Developed an application for creating children's picture books through Dall.e-2 API to create AI images using RESTful API with FastAPI back-end and React front-end with PostgreSQL as database, deployed with Capover.
- Users can review all books without authentication. Books can be sorted by release date, popularity, etc.
- Users could create their own books once logged in. Each page would require a prompt, and Dall.e-2 API would generate AI 3 images as options for users to pick one, till the book is published.
- Users could delete each page or delete the book as needed after books are published.

#### Full-stack Project - CarCar | Python, React, Django, Bootstrap, Docker, HTML, Javascript | 2023

- Developed a microservice-based application using RESTful API framework with a Django back-end and React front-end through the application of domain-driven design concepts
- Stored, retrieved, and manipulated data regarding Sales-api, Services-api, and Inventory-api
- Utilized Docker containerization to ensure portability, scalability, and continuity of web application

#### Full-Stack Project - Project Management Tool | Python, Django, HTML, CSS, Bootstrap | 2022

- Designed and deployed full stack task management application with python and django.
- Implemented features such as accounts, projects and tasks allowing users to create/edit/delete accounts, projects and tasks at individual interfaces.
- Engineered authentication login/logout feature to protect client information

### PROFESSIONAL EXPERIENCE

#### Ernst & Young LLP | Financial Service Senior Associate III (Fintech) | Feb2021-Nov2022 | San Francisco, CA

- Collaborated with software engineers as a Domain Specialist to optimize the internal project management platform.
- Lead the first-year audit team of 3-5 staff/interns on a daily basis and manage up two managers, two senior managers, and partners directly.
- Main contact for client communication, perform excellent communication with Controller and senior management directly leading the client meeting, and risk assessment control walkthroughs.
- Perform Pro Forma financial modeling analysis, revenue/cost analysis by revenue stream, and design analytical procedure for working capital, Opex, Stock-based Compensation to corroborate the forecasting of the finance team.
- Performed frequent check-ins/mentor with staff/seniors to provide feedback and help them grow professionally.

### EDUCATION

**Hack Reactor** | Certificate in Advanced Software Engineering | 2023

**Tulane University** | Master of Mathematical Finance (STEM) | 2018 | New Orleans, LA

**Tulane University** | Master of Accounting (STEM) | 2016 | New Orleans, LA

Certified Public Accountant - California