Jerry Pao
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Portfolio | GitHub | LinkedIn
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Software Engineer at New York City, New York
Full-stack developer with deep expertise in creating dynamic and responsive web applications. Extensive knowledge in Data Analysis with experience using Selenium for Python for web crawlers on dynamic websites. Bilingual in English and Chinese

TECHNICAL & INTERPERSONAL SKILLS

Languages & Frameworks: JavaScript, Typescript, Python**,** React, Node.js, Django, EJS, Jquery, Bootstrap, HTML, SCSS
Databases & others: PostgreSQL, MongoDB, Mongoose, MySQL, Sequelize, RESTful Routing, API, AWS
Interpersonal skills: Collaborative, Teamwork, Creative, Fast Learner

SOFTWARE ENGINEERING PROJECTS

Joy Toy - GitHub | App | App - React | Express.js | Node.js | PostgreSQL | TypeScript | JavaScript | JWT | AWS S3
A full-stack application designed to facilitate user sharing and discovery of toy collections
- Deployed the Front-end UI with React in Typescript on **AWS S3** that communicates with the PEN Stack Back-end application with persistent data in a **PostgreSQL** database
- Implemented **JWT** token-based authorization that restricts access to features requiring a logged-in user to work (typically CUD data operations) by protecting those routes from anonymous users
- Utilized **Cloudinary API** that allows users to store image of users and toys/collections

Toy Base - GitHub | App - React | Express.js | Node.js | PostgreSQL | AWS EC2, S3, RDS | Stripe API | Strapi
A full-stack E-commerce application emulating prevalent online shopping platforms to showcase and facilitate the sale of toys
- Deployed the Front-end UI with React on **AWS S3** that communicates with the **Strapi** Back-end server running on **AWS EC2**, serving image on **AWS S3** and connect to the **PostgreSQL** database on **AWS RDS**
- Implemented reusable components with **React, Redux and Material UI**
- Integrated **Stripe API** to manage payments, products, shipping and the entire checkout process

Racroom - GitHub | App - React | Express.js | Node.js | MongoDB | JavaScript | JWT
A full-stack application enabling users to create and participate in trivia quizzes (in collaboration with three other engineers)
- Developed the Front-end UI with **React** to enable users to customize trivias with multiple quizzes with **styled-components**
- Implemented the MEN Stack Back-end application with **Node.js** to handle HTTP requests and responses of RESTful APIs via AJAX with data in a **MongoDB** database
- Hosted the Back-end server that allows users with **JWT authentication** to perform **CRUD** data operations

WORK EXPERIENCE

CLASSOVER INC – Manhattan, New York
Data Operations Analyst Intern   November 2022 - February 2023
- Utilized **MySQL** with **Navicat** to create comprehensive queries regarding precise student, teacher, class, and attendance data to deliver in-depth analysis and effective data visualization to generate critical insights
- Applied web scraping techniques to effectively extract critical information about prospective clients for contact and relationship building, and increasing 20% of new students registered

CAPTARGET, LLC - (Remote) California
Data Analyst Intern   March 2021 – October 2021
- Utilized advanced web scraping and automation techniques with **Selenium** for **Python** to collect and organize relevant data for client project needs, and visualize for analysis
- Extracted and stored information automatically from dynamic websites on over 5000+ potential buyer targets for venture capital for future decision-making and planning

EXTRACURRICULAR ACTIVITIES

JPMorgan Chase & Co. Software Engineering Virtual Experience Program on Forage (~ 5 hours)   June 2023
CISCO Software Engineering Virtual Experience Program on Forage (~ 5 hours)   June 2023

EDUCATION

General Assembly   New York City, New York
Software Engineering Immersive   2023
George Mason University   Fairfax, Virginia
Master of Science in Data Analytics Engineering, GPA:3.87/4.0   January 2019-December 2020
National Taiwan Ocean University   Keelung, Taiwan
Bachelor of Science in System Engineering & Naval Architecture   September 2011-June 2015

CERTIFICATE

AWS Certified Cloud Practitioner   December 2023