Teddy Chu

Full Stack Software Engineer

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Experience

Programmer @ TechEmpower
June 2019 - Present // El Segundo, CA

- ▷ Ingested STIX (cyber security standard XML) records into an administrative web application to monitor and escalate cyber security threats
- ▷ Designed in-app email templating service, allowing administrators to quickly notify customers of outages or policy updates without needing to interface with third party email delivery service
- ▷ Developed a PoC frontend application using React to address performance concerns of existing software where rendering STIX feeds impacted load times
- ▷ Implemented single-page navigation for fantasy esports app to give users access to news feed, upcoming matches, and leaderboards among friends
- ▷ Ingested daily match data in real time to update fantasy leaderboard API for over 6,000,000 unique participants
- ▷ Created product id API to protect first party user data from third party social features

Teaching Assistant @ LMU Computer Science Department
August 2018 - May 2019 // Los Angeles, CA

- ▷ Assisted and tutored 30 students in Data Structures and Algorithms courses
- ▷ Managed communication channel with faculty and other teaching assistants to keep track of individual student progress and needs
- ▷ Unit tested, graded, and reviewed course assignments

Skills

Programming Languages
Java, Python, C#, JavaScript, TypeScript, Rust

Databases & Query Languages
SQL, MongoDB, PostgresQL, GraphQL, Oracle Database, Firebase, JDBC

Libraries & Frameworks
Apache Ant, Django, React, React Native, Next.js, .NET Core, Svelte

Tools & Platforms
Git, Docker, AWS, Terraform, Apache Tomcat, Unity, Gulp, Webpack, Netlify, Heroku

Design
InVision, Sketch, InDesign, Figma

Projects

Playroll
https://apkpure.com/playroll/com.playroll.playroll

React Native mobile app for creating/sharing playlists using Spotify API. Formerly available on App/Play Stores.

NebulaVR - https://github.com/jtorre39/nebula

VR GUI in Unity for Scratch-like visual programming language connected to JavaScript compiler backend.

Twitch Plays Nintendo Switch
https://github.com/tedzchu/door-chat-plays

Python UDP client/server that converts Twitch livestream chat messages to serial packets sent to an Arduino flashed with Nintendo Switch controller firmware.

Faust - https://github.com/tedzchu/faust-bot

Discord bot created with discord.py API to provide data from video game Guilty Gear in a trivia-style chat game.

Education

B.S., Computer Science @ Loyola Marymount University (LMU)
2015 - 2019 // Los Angeles, CA

LMU Hacks | Hackathon Organizer & Workshop Leader | 2019
International Collegiate Programming Contest | Participant | 2018 - 2019
Association for Computing and Machinery | Member | 2017 - 2019
LMU Esports Club | Founder & Vice President | 2016 - 2019