

Jackson Lu

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EDUCATION

University of California, Riverside
Bachelor of Science

Riverside,CA
Sep 2016- Dec 2020

WORK EXPERIENCE

Software Developer Intern
Summitworks Technologies

New Jersey
Jan 2021-Aug 2021

- Built a Django-based donation platform in a small team, implementing authentication, admin dashboards, and full CRUD features
- Gained hands-on experience with Django REST Framework, templating, and relational database design
- Learned frontend development using Angular for responsive UI components and service-driven architecture
- Practiced deploying applications using Amazon S3 and load balancer configurations for production simulation
- Trained in Agile workflows including daily standups, version control (Git), and code reviews

PROJECTS

Reddit Forum

C#, Typescript

- Built a full-stack web application that allows users to create posts in threads, upload videos and images , discussion on chat messaging and upvoting and downvoting comments
- Used React with TypeScript and Easy Peasy for state and type-safe UI logic
- Implemented JWT-based auth, role-based access, and moderator permissions
- Integrated profile and forum image uploads using multipart form data
- Designed REST APIs and managed relational data with Entity Framework Core

Canvas LMS Clone

React.js,Django,Bootstrap

- Implemented a UI that allows users to enroll in courses, download lectures to study and turn in homework through a web portal.
- Developed features like course creation, assignment uploads, grading, and announcements
- Implemented user authentication and role-based dashboards using Django and JWT
- Managed course content, submissions, and notifications with a relational PostgreSQL database
- Used React for interactive UI, forms, and conditional rendering based on user roles
- Gained experience in REST API development, component-based architecture, and file handling

Music Streaming Playlist App

Java,SpringBoot

- Developed a desktop music player with playlist management and real-time audio streaming
- Implemented song search, drag-and-drop queueing, and playback controls using JavaFX
- Streamed music files over HTTP and supported local playback with metadata display
- Stored playlists and user preferences using SQLite for persistent data handling

ADDITIONAL

Languages:: C++, Javascript,Python, Java,C#,Typescript,

Framework: React, Node.js , Bootstrap, Django, Spring Boot,Angular, Flask, FastAPI, ASP.NET Core,

Developer Tools: Github, VS Code, Heroku, AWS, Docker,Postman,SQLite, PostgreSQL