Phuc Gia Doan (Larry) Huynh

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About

High-achieving ICT graduate passionate about technology, excelling in solving complex problems with software engineering principles and data-driven strategies. My academic and professional experiences have honed my expertise in software engineering, data analytics, and project management. Driven to embrace new challenges, I continually refine my problem-solving abilities and thrive in collaborative, cross-functional teams. As a dedicated team player, I seek opportunities to leverage my skills and knowledge in developing technology solutions that drive business impact and contribute to core business values.

Education

Griffith University   **Brisbane, Queensland, Australia**
Bachelor of Information Technology, 6.8/7.0 GPA   *Mar 2019 – Dec 2022*
- Recipient of the Griffith Academic Excellence Awards in 2019, 2020, and 2022.
- Awarded the Griffith School of ICT Award for Highest GPA Graduate in 2022.

Experience

Centre for Applied Energy Economics and Policy Research   **Brisbane, Queensland, Australia**
Software Engineer (Work-Integrated Learning)   *Jul 2022 – Nov 2022*
- Developed a data pipeline application to analyse data from the Australian Energy Market Operator.
- Led cross-functional collaboration, managed application source code, and developed core features.
- Achieved an 80% improvement in pipeline processing time and a 96% increase in data extraction accuracy.
- Nominated for the 2022 FirstWave Awards in the "Best Innovative Project" category.
- **Skills:** Data Analysis, Python Programming, GitHub, Version Control, Technical Documentation, Project Management, Software Development Life Cycle (SDLC), Agile Methodologies.

Projects

Breadit - Modern Full-Stack Reddit Clone   **GitHub**
- Developed a full-stack, Reddit-based social platform application using Next.js and TypeScript.
- Integrated user management with Clerk and a MySQL database via PlanetScale for subreddit, post, and user data.
- Implemented object-relational schema mapping with Prisma, along with data caching using Upstash Redis.
- Implemented client-side data fetching and validation utilising React Query and Zod.
- Developed back-end APIs to leverage server-side rendering, serverless architecture, and Vercel's Edge Functions.

ChatGPT Free - Full-Stack ChatGPT Web Application   **GitHub**
- Developed a free ChatGPT web application for geo-restricted regions, using Next.js and TypeScript.
- Integrated user authentication with NextAuth and a NoSQL database with Firebase for user and conversation data.
- Implemented GPT-3.5-Turbo text generation models using OpenAI's Chat Completions API.
- Implemented real-time conversation (live chat) in a serverless environment using Google Cloud Firestore.
- Developed a front-end UI with a multi-theme switcher using Tailwind CSS and DaisyUI.

FLIXX - Trending Movies, TV Shows, Anime Info   **GitHub**
- Developed a website featuring trending movies, TV shows, and anime using vanilla HTML, CSS, and JavaScript.
- Developed RESTful data fetching and parsing functions for the TMDB and MyAnimeList APIs.

Skills

Languages: HTML, CSS, JavaScript, TypeScript, SQL, Python, R, Bash, Markdown.
Technologies: React, Next.js, Node.js, REST API, MySQL, NoSQL, Prisma, Redis, Firebase, Google Cloud Platform, Jupyter, Pandas, Git, GitHub, Docker.
Courseworks: Object-Oriented Programming, Relational Database, Data Science, Data Structures, Algorithms, Network and Security, Linux Operating System.
Certifications: Career Essentials in Administrative Assistance, Business Analysis, Data Analysis, Generative AI, Project Management, Software Development, System Administration by Microsoft and LinkedIn.

References

Available upon request.