XIAOFENG TANG

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ABOUT

I am a junior developer and a graduate of the University of Sydney with a Master's degree in Computer Science, specializing in full-stack web development, particularly front-end (React, Next.js) and back-end (ASP.NET, Express.js) development. In addition, I am a perfectionist when it comes to coding and strive to achieve 100% UI accuracy. I firmly believe that as a developer, I can bring any UI design idea to life.

For back-end development, I am committed to delivering highly efficient, secure, and robust APIs, ensuring seamless integration with front-end systems while maintaining a clean and extensible code architecture. My experience and technical skills enable me to excel in full-stack web and mobile development, writing performant, decoupled, testable, and maintainable code.

SKILLS

Front End: React, Next.js, HTML5, React Native, Vanilla JavaScript, TypeScript, CSS3, Tailwind CSS, Responsive Design, componentization

Back End: Asp.Net, Express.js, Api intergation, JWT

Database & Cloud: MongoDB, MySQL, PostgreSQL, Firebase, AWS(EC2, IAM), Google Cloud, Alibaba Cloud(ECS, OSS)

DevOps: CI/CD, Docker.

UI/UX: Color Theory & Typography, Interaction Design Theory, Figma, Photoshop, Canva, Basic 3D modeling and 3D animation rendering by blender.

Methodologies: Agile, Waterfall, MVC.

WORKING EXPERIENCE OCTOBER 2024-CURRENT

Full Stack Developer Intern/Part Time | Recam | Sydney, NSW
- Complete the implementation of multiple front-end React

components using Typescript according to UI design, ensure clear code structure and responsive design.
- Contributed to testing and debugging a legacy company project, resolving issues in the membership subscription and market transaction systems through the implementation of a Stripe payment integration solution.
- Participated in the construction of MySQL database while implemented the database system using ASP.NET with Entity Framework, successfully configuring ORM mappings and connection testing to streamline data access and management.
- Completed the development tasks assigned by mentor on time every week.
- Strictly follow the company's CICD principles and help new interns become familiar with the CI/CD process.

JUNE 2024-JULY 2024

IT Project Assistant Intern | Guangzhou Smart City Investment Ltd. | Guangzhou, China
- Responsible for maintaining and upgrading the company's official corporate website, as well as the company's internal office automation system.
- Assist in the collection and collation of enterprise data and participate in consulting ERP system integration facing government.

PROJECT EXPERIENCES

Gooday website (University of Sydney Capstone project)
Description: A web application leveraging AI personal assistants to streamline life admin bookings between businesses, consumers, and networks.
Tech stack: Next.Js, Firebase
Role: Team Leader
Achievement :
- Hosted various team meetings, including initial UI design, client meetings, and weekly code review section.
- Help team members become familiar with basic IT development processes, such as CICD, code standards, componentization, writing unit test and integration tests.
- Developed responsive and dynamic effects for various components and pages, such as the hero page, review section,

and chat assistant section, utilizing Tailwind CSS, Framer Motion, ShadCN UI, and other third-party libraries.

- CHATGPT API integration in chat assistant component, with fine-tuning and specific instructions, the chat assistant can effectively answer user questions while staying within its designated scope.

Proppix website(Recam)

Description: A website that provides online listings and related services for both residential and commercial properties, catering to real estate agents and photographers.

Tech stack: React, MySQL, ASP.NET

Role: Full-stack developer

Achievement:

- Use React third-party library(@dnd-kit/sortable) to implement the component drag function of the main page.
- Integrate Google Maps JavaScript API and Geocoding API to dynamically convert property addresses into interactive maps.
- Implemented a database system using ASP.NET with Entity Framework, successfully configuring ORM mappings and testing connections to streamline data access and management, including tables for contacts, properties, addresses, and other entities.
- Engineered a fully structured and strictly layered ASP.NET backend system, incorporating Entities, DTOs, Service, Controller and Interface layers for optimal maintainability, scalability, and performance.
- Adjust the front-end and back-end DTO standard data structure to ensure the stability and consistency of front-end and back-end data transmission.
- In React, useState, useEffect, and Redux are used to handle API response data and manage state in a structured, component-based manner.
- Use Swagger (OpenAPI) to write API documentation, provide detailed request examples and parameter descriptions, and ensure that team members and third-party developers can quickly understand and use the API.

CAREER OBJECTIVES   Computer Science students graduating from the University of Sydney. Looking for full-stack development working, eager to develop front-end and back-end applications by using knowledge technologies.

EDUCATION   DECEMBER 2024
Master of Science: Computer Science
USYD, Sydney, NSW

DECEMBER 2022
Bachelor of Science: Mathematics
UNSW, Kingsford, NSW