Zhipeng Guo

0431636567 | trumangzp@gmail.com | Portfolio | Github

Introduction

Dynamic software engineer with a passion for front-end development, experienced in creating innovative web applications using HTML, CSS, JavaScript, React.js, and Next.js. Proficient in other languages including C++, Python, C# as well as cloud computing and Android development, among other technologies. Keen to apply my technical skills and collaborative approach in a challenging developer role.

Education Background

- 2016-2017   RMIT   Diploma of Information Technology
- 2017-2020   RMIT   Bachelor of Information Technology
- 2021-2022   Monash University   Master of Information Technology

Work Experience

Monash University Industry Experience Project   *Mar. 2022 — Aug. 2022*   *Lead Full Stack Programmer*

- Developed 'Emission Tracker', a PHP web application.
- Integrated with Google Map API; deployed on AWS Cloud.
- Customised Google Map API to display carbon emissions based on user trips.
- Features route generation and emission calculation for entered destinations.
- Includes a personal progress and achievements system to motivate user competition in reducing emissions.
- Offers a global challenge for collective user efforts in emission reduction.
- Provides reward cards for completing weekly and global challenges.

TCS Group   *Oct. 2022 — Oct. 2023*   *Software Engineer*

- Tenure at Tata Consultancy Services (TCS) from 2022 to 2023.Placed on the bench, a common practice in IT firms.Utilised this period for self-improvement and professional development.
- Focused on learning React due to its growing importance in front-end technologies.
- Engaged in an intensive self-study program:Completed online courses in React.Built small projects to apply learning.Contributed to open-source projects.
- Gained hands-on experience with React; stayed abreast of industry trends and practices.
- Developed a personal portfolio website showcasing my skills and projects.
- Created a mock version of the 2048 game using React.

Personal Projects

- **Puzzle Game 2048**: Inspired by the popular puzzle game 2048 on IOS, Android, webpage, using React.js with Next.js framework, as well as some Tailwind CSS, deployed on Vercel.
- **Personal Portfolio**: using React.js with Next.js framework and Tailwind, deployed on Github Pages. All my information can be found there, and all the code can be found on my GitHub page.
- **Youtube Home page Responsive clone**: using React.js, Next.js, Tailwind, deployed on Github Pages, 100% impersonation of YouTube home page, with resizable Nav bar, as well as mobile version of the website.
- **Android Fitness App**: using Android studio Java, with third party APIs such as Facebook share, weather API to show current weather, and Map API to show current location and marks on the map.
- **Carbon emission tracker**: Using PHP, HTML,CSS , to create a Web app by modifying Google Map API which show the carbon emission that your trip will produce based on your current location and destination. Presented in Monash IE project and got *Users' Choice* award.
- **IOS Game Flip Card**: using Swift, developed on Xcode, memorise the cards, and flip the same cards to score, you can also change the setting to modify the game difficulty or change cards colour.
- **Board Game Azul**: using C++ created a console game based on real world board game Azul, two players take turns to place the tile on board, win the game by winning most points based on game rules.

Skills

- **Programming languages**:Javascript, Java,C++,Python,C#,PHP, HTML5,CSS
- **Framework**: React.js, Next.js , flutter
- **Mobile Development**: Android App Development on Android Studio
- **Cloud Computing**: AWS,Google Cloud deployment.

- **Database**: MySQL commands
- **Other knowledge**: Node.js, Unix Commands Unity3D with C#, Docker, SVC: Git commands, Github, Agile/Scrum practice