**Ran Kong (Brian)**

SOFTWARE ENGINEER & FULL STACK WEB DEVELOPER

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**PROFESSIONAL EXPERIENCE**

**MIRATECH, Tulsa, Oklahoma** *October 2022 – December 2024*

*Software Engineer I, Software Developer I*

* Full-stack development with Scrum methodology to develop and maintain web applications for engineering and sales teams. Core responsibilities included managing technical tickets in Azure DevOps and Git Extensions, analyzing and refining user stories, performing root cause analysis on bugs, programming in Visual Studio and SQL Server to resolve the tickets, conducting peer code reviews, executing QA local tests, performing staging tests and deployments, authoring release notes, and contributing to Scrum meetings.
	+ Tech stacks: .Net Core C#, Blazor, Entity framework, HTML, CSS/SCSS, JavaScript, TypeScript, SQL Server, Linux.
* Key projects: Modernized the application by migrating legacy .NET code to .NET Core and revamping pages, upgraded the application for the German branch office, designed and added FAQ section to the application, updated brochure svg files.
* Leadership and Administrative Activities:
	+ Collaborated with stakeholders to align software requirements with business objectives through BRDs, virtual meetings, emails, and live chats.
	+ Created and managed serialized virtual whiteboards for sprint retrospectives.
	+ Represented the company at the Atlas School job fair, engaged with students to promote career opportunities, answer questions, and source potential candidates.
	+ Conducted performance and technical interviews to assess potential team members.
* Knowledge Transfer:
	+ Collaborated with technical service providers to provide knowledge transfer on framework design and technical scoping.
	+ Onboarded new team members through VM setup, paired programming, and collaborative presentations.

**Borets, Tulsa, Oklahoma** *October 2018 – April 2020*

*Application Specialist Trainee*

* Processed horizontal pumping system inquiries and quotes from salespeople. Teamed with engineering and manufacturers on high specification inquiries and auxiliary equipment.
* Collaborated with the Engineering and Operations team to design “best fit” systems.
* Refined technical reports and upgraded all training materials of mechanical fundamentals for company expansion abroad.

**Black Gold Group, Tulsa, Oklahoma**  *November 2016 – April 2018*

*Engineer Consultant / Chinese-English Interpreter*

* Designed and edited building plans and furnishings’ 2D engineering drawings using AutoCAD and Adobe PDF Editor, and created statistical Excel spreadsheets of cost and installation, for the company’s major investments in 4 building projects involving over 550 plan pages and 2000 furnishings.
* Developed a compatible card access system and provided a complete construction administration for over 1000 hardware supplies and damage control, for a modern luxurious apartment project with 250 residential areas in 626 - 1490 square feet.
* Publicly interpreted English / Chinese for businesses with Chinese vendors and investors.

**EDUCATION**

**Atlas School, Tulsa, OK** *January 2021 – June 2022*

*Graduated with Diploma of Computer Science, specialization: Linux Programming, Advanced Algorithms, and Blockchain.*

* Studied low- and high-level programming languages, web development and algorithms. Project based, solo and teamwork, and peer learning. Major operating system Linux.
* Academic presentation for training soft skills, project reports, and knowledge sharing.
* Authored professional articles for knowledge summarization and learning experiences.

**University of Oklahoma, Norman, OK** *August 2009 - December 2013*

*Graduated with a Bachelor of Science degree in Architectural Engineering, GPA: 3.5/4.0*

**SKILLS**

C#, ASP.Net Core, Blazor, Entity framework, HTML, CSS, SASS/SCSS, JavaScript, TypeScript, React, Microsoft Visual Studio, Git, Git Extensions, SQL Server, MySQL, Linux/Unix, C/C++, Python, Bash Scripting, x86 Assembly Language, Node.js, REST API

Agile/Scrum Development, Azure DevOps, Algorithms, Problem Solving, Engineering, Math, Teamwork, Test Driven Development, Technical Writing

**PROJECTS**

* **Hackathon Project —** *themed website hosting maze game coded in JavaScript*
	+ A 2-day 2-person project at Atlas School, featured in a timed maze with a wheel clock.
	+ My duty: developed the website front-end, developed the maze generate algorithm with JavaScript (DOM) for selectable difficulty level.
	+ <https://github.com/rkbrian/Hackathon_Holberton>
* **Hack Week in C++ —** *themed C++ application*
	+ A 10-day solo project at Atlas School, analytical tool for sine wave graphs, operable on WSL.
	+ My duty: developed the application that takes parameter inputs to print wave graphs for analyzation.
	+ <https://github.com/rkbrian/Cpp_Hack_wave>
* **Project Euler 100 —** *math and algorithm challenges in various languages*
	+ Ongoing self-challenges to ultimately solve one hundred mathematical/programming problems with Linux/WSL operable codes.
	+ <https://github.com/rkbrian/project_euler_100>