Ran Kong (Brian)

Software engineer, with proven math, logic and project management skills after 5+ years of professional experiences at mechanical engineering and architectural engineering. Preferred algorithm-related development, programming position in an engineering background company, or full stack development.

EDUCATION

Holberton School, Tulsa, OK — Student, graduation on 06/2022
January 2021 - Present
Diploma of Computer Science
- 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 — GPA: 3.5/4.0
August 2009 - December 2013
Graduated with a Bachelor of Science degree in Architectural Engineering.

PROFESSIONAL EXPERIENCE

Borets, Tulsa, OK — Application Specialist Trainee
October 2018 – April 2020
- Processed 30% of company's horizontal pumping system inquiries and quotes from sales team. 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, OK — Engineer Consultant / Chinese-English Interpreter
November 2016 – April 2018
- 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.

PROJECTS

Hackathon Project — *themed website hosting maze game coded in JavaScript*
- A 2-day 2-person project at Holberton 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.

Hack Week in C++ — *themed C++ application*
- A 10-day solo project at Holberton 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.

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.

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LINKS

Github

LinkedIn

Personal Website

SKILLS

C/C++
Python
HTML/CSS/JavaScript
Visual Studio Code
Linux/Unix
Bash Scripting
x86 Assembly Language
MySQL
Flask/SQLAlchemy

Algorithms
Engineering
Brainstorming
Math
Test Driven Development
Teamwork
Problem Solving

LANGUAGES

Fluent in English and Chinese