Ran Kong (Brian)

Software Engineer

Programming experience from school, engineering background with bachelor's degree and 5+ years working experience.

EDUCATION

Holberton School, Tulsa, OK — Graduation on 06/2022
January 2021 - Present
Diploma of Computer Science, specialization: Low-Level and Algorithm.

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

Holberton School, Tulsa, OK — Student
January 2021 - Present
- Studied low- and high-level programming languages, web development and algorithms. Project based, solo and teamwork, and peer learning. Major operating system Linux. Specialization in Low-level and Algorithms.
- Academic presentation for training soft skills, project reports, and knowledge sharing.
- Authored professional articles for knowledge summarization and learning experiences.

Borets, Tulsa, OK — Application Specialist Trainee
October 2018 – April 2020
- 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.
- Edited technical reports and materials for business expansion abroad.

Black Gold Group, Tulsa, OK — Engineer Consultant / Chinese-English Interpreter
November 2016 – April 2018
- Designed furnishings' 2D engineering drawings, furnishing spreadsheets, and partial building plans.
- Developed an apartment card access system.
- Construction administration for hardware supply and damage control.
- 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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SKILLS

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

Algorithms
Engineering
Problem Solving
Math
Teamwork
Test Driven Development

LANGUAGES

Fluent in English and Chinese

LINKS

Github

LinkedIn

Personal Website