Long Guan

Full Stack Software Engineer | Seattle, WA | long.w.guan@gmail.com
linkedin.com/in/longguan | github.com/long-guan

TECHNICAL SKILLS

Programming Languages | Python 3, JavaScript ES6+, SQL, HTML5, CSS
Front-End | DOM manipulation, React, React Hooks, BootStrap, WebSockets
Back-End | Django 4, FastAPI, PostgreSQL
System Design | Microservices, Domain-driven design

APPLICATION DEVELOPMENT EXPERIENCE

Classic Games | Full-Stack Software Engineer | *Github* | *HTML5, CSS, JavaScript*   2023
A web application built with vanilla HTML, CSS, and JS containing the games BattleShip and Tic Tac Toe.
- Leveraged DOM manipulation combined with CSS effects to dynamically display game updates, significantly enhancing the user experience and immersiveness
- Utilized object-oriented programming principles to encapsulate game data, establishing robust data abstraction that streamlined debugging processes and reduced the incidence of bugs

Green Beings | Full-Stack Software Engineer | *Github* | *Bootstrap, Python, FastAPI, React, PostgresSQL*   2023
A planning application for users to plan/create communities and events to better the environment
- Implemented JWT token Galvanize library for backend and frontend authorization to secure the site, resulting in unauthorized access incidents and improved overall security
- Employed normalized PostgreSQL to store user, events, and community data, resulting in increased performance, memory saving, reduced duplication, and increased data quality

PROFESSIONAL EXPERIENCE

Barghausen Consulting Engineers, Inc | Design Engineer   2019 - 2023
- Streamlined project processes by developing AutoCAD shortcuts to design construction plans, resulting in faster permit approval and the successful construction of projects without any critical construction errors
- Trained new engineers in AutoCAD through personalized AutoCAD shortcuts, leading to their swift integration into the team and enabling them to make valuable contributions within a week
- Effectively communicated with contractors and clients to solve any unexpected problems that arise, resulting in improved project timelines and enhanced client satisfaction.

Seattle Department of Transportation | Engineering Intern   2018 - 2019
- Independently conducted surveys and designed ADA-compliant curb ramp using a self-designed spreadsheet, leading to a significant reduction in design duration
- Collaborated with engineers to gather data and conduct field reviews for sidewalk projects in multiple phases, employing tools such as spreadsheets to expedite data collection

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate   2023
University of Washington | Bachelor of Science in Civil Engineering   2019