Rongjun Geng

Full Stack Web Developer | Systems Engineer

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Summary

Permanent Resident of the United States, transitioning from a career in systems engineering to realize my dream to be a software developer.

TECHNICAL SKILLS

Frontend: React.js, Redux, Hooks, Context API, Jest, Cypress, Yup, Axios, JavaScript, HTML, CSS,
Backend: Node.js, Express, SQL, PostgreSQL, Docker, Python, Git CLI, GitHub, VS Code, Vercel, Heroku, Netlify
Additional Skills: Agile Project Management, Algorithms, Architecture, Debugging, Deployment
Language Fluency: English, Mandarin

TECHNICAL PROJECTS

Potluck Planner, *Full Stack Developer*   [[GitHub](#)]
- Built a platform that allowed small business owners to log in, see relevant pricing in various categories, and help set their own pricing for product listings.
- Wrote code that allowed for the creation of lists of items to sell which would show to all users.

Anywhere Fitness, *Front End Developer*   [[GitHub](#)]
- Created the ability to enter new recipes and view all entered recipes using React.
- Developed a search functionality that enabled users to search by recipe title or tagged categories.

Anywhere Fitness, *Back End Developer*   [[GitHub](#)]
- Created the ability to enter new recipes and view all entered recipes using React.
- Developed a search functionality that enabled users to search by recipe title or tagged categories.

WORK EXPERIENCE

4G ENG, *Berkeley CA, System Engineer*   Aug 2015 - Aug 2021
- Designed signal processing for custom software-defined radio hardware (ex. channelization, equalization, PA linearization, gain control, carrier synchronization, symbol mapping, framing, channel coding/FEC, etc.)
- Worked closely with FPGA developers to implement and test the signal processing on radio hardware.
- Collaborated with the hardware team to verify correctness and performance, developing clever software workarounds for hardware limitations.

MicroEmbedded Software (Beijing) Co. LTD., *Engineer & Co-Founder, Beijing China*   Sep 2009 - Jul 2015
- Founded a company dedicated to pioneering service software-defined radio research projects for universities and institutes of the Chinese Academy of Sciences (CAS).
- Served hundreds of clients over the course of six years, including but not limited to Beijing University, Tsinghua University, Institute of Acoustics of CAS, Institute of Semiconductors of CAS, Institute of Software of CAS, Huawei, Lenovo, and Alcatel-Lucent of Shanghai.
- Grew the company to over 200 employees by 2013, quickly becoming the leading supplier of software-defined radio platforms in China.
- Led a Message Management project that became a nationwide protocol, pushing the government to enact laws accordingly.

Australian Conveyor Engineering, *Somersby, NSW Australia, Manager/Electrical Engineer*   Aug 2000 - Aug 2009
- Promoted to senior management and internationally relocated from Australia to manage the Beijing branch of Australian Conveyor Engineering Pty Ltd, NSW Australia.
- Won the second rank among foreign mining equipment supply companies in the mining field of China by the accumulated selling of over 5 billion yuan of RMB in 2008.
- Led the design and management of the technical aspects of construction projects ensuring compliance with specifications, drawings, and electrical codes.
- As an Electrical Engineer, responsible for conducting engineering analyses and performing computer-related

functions such as drawings, spreadsheets, and database compilations.
- Facilitated ongoing maintenance of the power distribution switchgear, 5KV motors, and their control systems.
- Interfaced and communicated effectively with customers through the performance of field investigations in response to customers' needs.

Additional work experience available on LinkedIn

EDUCATION

Bloom Institute of Technology, *Full Stack Web Development & Computer Science*   Sep 2021 - Jun 2022
The University of Auckland, *Auckland, New Zealand*, *Postgraduate Diploma, Computer Science*   Mar 1999 - Jun 2000
Xi'an Jiaotong University, *Bachelor of Engineering in Electrical and Electronics Engineering*   Sep 1981 - July 1985