Carl Liu

Website: www.carlrocks.com   **Phone**: 132-6158-9827   **GitHub**: github.com/gazcn007
LinkedIn: linkedin.com/in/gazcn007   **Email**: gazcn007@gmail.com

Experience

Emberlight.ai, CEO   **Current**
- Building the future of learning with AI-powered education

Presence, Head of Product   **San Francisco, USA, 2022-2025**
- Full-stack engineering including Web, iOS, Android, Flutter, and Backend technologies such as Vertex, Java, PostgreSQL
- As a Product Lead, built apps from zero to millions in ARR and raised over $10 million in total

Airbnb, Software Engineer II   **Beijing, China, 2021-2022**
- Full-stack engineer working on Airbnb platform products; built many core features for customer agent tools and chatbot
- Single-handedly developed Airbnb review modification notification system
- Maintainer of airbnb/visx, an open-source visualization project that has 20k stars on Github
- 2021 Hackathon Winner, built a 3D earth that shows your previous Airbnb stays and travel history

Tableau Software, Software Engineer   **Seattle, USA, 2017-2020**
- Built and maintained core features on Tableau Public, a SaaS product that allows millions of users to analyze data and publish their visualizations to the web. Feature lead for hashtag, search autocomplete, image and thumbnail generation with server-less architecture
- Refactored a large volume of legacy code to *Typescript*, *React*, *Redux and* setup *CI/CD* pipelines for Frontend codebase; increased the cycle of feature delivery and improved developer experience
- Represented Tableau at React Conference 2019, and AWS Re:Invent

Education

Stanford University, California, USA   **December 2024 – April 2026**
M.S. Learning Design & Technology

McGill University, Québec, Canada   **September 2013 – April 2018**
B.A. in Computer Science, Minor in Music Theory

Skills

Languages	Java/Kotlin, JavaScript (TypeScript), C#, Swift, Python, SQL, C, Ruby
Tools/Frameworks	Unity, iOS, React, Redux, D3, Git, Unity, Flask, Tableau, AWS, Docker, Kubernetes, Terraform, GraphQL, Kafka, ARKit/ARCore, Mediapipe
Others	User Growth, Media Marketing, CI/CD, Algorithms, UX/UI Design, Serverless, Music Theory, Jazz Guitar

Projects*

Patternize.io
- An e-book that explains data structure and algorithms using user-friendly D3 visualizations, ~500 stars on Github
- Project at **patternize.github.io**

JAMScript
- Developed with Professor Maheswaran at McGill University and his PhD. students to achieve real-time communication between distant IoT devices (connected through cloud platforms)
- Project description website at **citelab.github.io/JAMScript**

* Code is also available at github.com/gazcn007 and carlrocks.com