Eric Gan

I am passionate about developing software for the social good. Whether it is developing mobile apps for humanitarian efforts or designing a more intuitive UX/UI for a non-profit company, I find technology a gateway to unifying the international world.

Contact:
eric@ercgn.com
+1 (732) 647 5191

Skills:
C#/C++/C, TS/JS, Python, ReactJS, React Native, Redux, HTML, CSS/LESS, Java, Conversational Mandarin

Interests:
Christianity, guitar, violin, piano, a cappella, design, tennis, volleyball, traveling

Completed Coursework:
Operating Systems
Algorithm Design and Analysis
Natural Language Processing
Interaction Design Overview
Artificial Intelligence
Computer Graphics
Machine Learning

Experience:

Microsoft
August 2016 - Current | Redmond, WA
Software Engineer II on the PowerApps Runtime and Services Team
Owned a key feature involving network calls to various services across sister teams, and improved the product's overall performance.

Microsoft Intern
Summer 2015, Summer 2014 | Redmond, WA
Software Engineering Intern on the Power BI Foundations Team
Worked on the back-end team, making architectural design decisions and contributing to the embeddability of Power BI tiles.

SRI International
Summer 2013 | Princeton, NJ
Student Associate Intern on the Vision Technology team.
Designed web app to expedite manual video training for a Computer Vision project on automated video tagging.

Projects:

Find a Discipler App
Winter 2018 | JavaScript
Using React Native with a WordPress backend, created a CRM mobile app for Pioneers to aid their humanitarian efforts overseas.

Intel x86 OS Kernel
Fall 2014 | C
Designed and implemented a kernel from scratch, with context switching, virtual paging, interrupts, and multi-threading. 9000+ lines.

Q&A Robot
Spring 2014 | Python
Used NLP to create machine-generated questions, and machine-generated answers to human questions for Wikipedia articles.

Education:

Carnegie Mellon University (May 2016)
B.S. in Computer Science
Minor in Human-Computer Interaction
Cumulative GPA: 3.74/4.00