Eric Gan

I am passionate about developing software that benefits the social good. Whether it is devising a more efficient algorithm or designing an intuitive user interface, I find technology a gateway to unifying the international world.

Contact:
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Carnegie Mellon University
SMC 1731
5032 Forbes Ave.
Pittsburgh, PA 15289

Skills:
C/C#/C++, Python, Java
HTML, CSS, JavaScript/TypeScript,
Mac OS X, Windows 10,
Conversational Mandarin

Interests:
Christianity, guitar, violin,
a cappella, design, tennis

Ongoing Coursework:
Constructive Logic
Algorithm Design and Analysis
Artificial Intelligence
Database Applications

Completed Coursework:
Operating Systems
Natural Language Processing
Interaction Design Overview
Probability and Computing
Computer Graphics
Machine Learning

Education:

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

Experience:

Microsoft
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 deployment scenarios.

SRI International (Sarnoff)
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:

Embeddability of Power BI Visual Reports
Summer 2015 | C#
Used Azure SQL, Azure Blob Storage, and Azure CDN to support the embedding feature of Power BI Visual Reports.

Bible Discovery (Hackathon)
Summer 2015 | Python, C#
With a team of four, wrote a bible app that allows the user to discover the bible by a Machine Learning-based random walk. Won first place.

Intel x86 OS Kernel
Fall 2014 | C
Designed and implemented a kernel from scratch, with context switching, paging, key syscalls, and interrupt/exception handling. 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.