

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:

ericgan@cmu.edu

+1 (732) 647 5191

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.