# Shaun Y. Cheng

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**SOFTWARE DEVELOPMENT**

- Extensive professional experience with C++, STL, high performance code.
- Working knowledge with various scripting languages: Javascript, Python, Perl.
- Open-minded regarding trade-offs in various technologies and optimizations.
- Recent interests: embedded programming(esp8266, FPGA), cryptocurreny.

**WORK EXPERIENCE**

*Recurser*  February 2016 - May 2016
Recurse Center(formerly known as Hacker School), New York, NY

- Mainly worked on IoT hardware devices and embedded systems programming.

*Senior Software Developer in R&D Infrastructure*  March 2010 - January 2016
Bloomberg LP, New York, NY

- Responsible for the full life cycle of the software development process, including requirements definition, prototyping, proof of concept, design, interface implementation, testing and maintenance.
- Designed and maintained a security mapping system for internal use. Distributed load for read/write.
- Maintained numerous legacy programs. Deprecated/refactored unstable programs to clean up the codebase.

*Actuarial Analyst*  May 2007-February 2010
Actuarial Resources Corporation, Overland Park, KS

- Developed a fast C3 Phase 2 economic scenario generator that generates interest rates as well as bonds and equities used for actuarial projections.
- Developed multi-threaded, stochastic modeling libraries for the SunGard Prophet actuarial projection system.
- Actuarial exams: Probability, Financial Mathematics, Financial Economics.

*Graduate Teaching Assistant*  August 2005 - May 2007
Department of Mathematics, University of Kansas

- Taught Calculus I&II, Statistics, Algebra, and Trigonometry.

*Statistical Analyst Intern*  January 2007 - May 2007
Laidlaw International, Inc.

- Analyzed trends for the frequency and severity of bus accidents.

**EDUCATION**

*B.S., M.A. Mathematics, 2007.* University of Kansas, Lawrence, KS. GPA: 3.8
Graduate Research in Point-Set Toppology.

**CERTIFICATES**

KU Charles H. Ashton Scholarship, KU Math Department Merit Scholarship, 4-month Bloomberg Advanced Technology Training Graduate.

**COMPETITIONS**

Putnam Mathematics competition(Ranked top 400 in the U.S.). Represents Bloomberg chess team since 2010. 1st Place, Division A, Athletic Bankers League NYC 2011 and 2012, MVP of The Year Award in 2014. NYC commercial chess league 2016 champion. Consensus 2016 Hackathon BlockApps winner, overall #2 out of 26 teams.