Sue Yi Chew
Software Engineer
Google

sueyic@gmail.com
412-225-6990

	Employment
	Google Inc.

2015- YouTube Subscriptions Growth (San Bruno, CA)
- YouTube Red is a strategic initiative introducing an ad-free premium subscription service. I am a software engineer on the growth team charged with member acquisition and retention via user satisfaction.
- Leading team effort to use machine learning for scalable automated copy testing and selection; contributed to machine learning for several use cases.
- Led promotion implementation for rollout to Australia and New Zealand.
- Co-authored 3 growth platform ideas accepted to patent by Google legal; lead author on 1.
- Implemented platform features; initiated formal data push process; created tools for speeding up promotion development; organized team documentation.

2011-15 DoubleClick Digital Marketing (New York, NY)
- Key member of DoubleClick Reporting (ddm.google.com/analytics/dfa/) product team.
- Led client-side implementation of Insights product, a beautiful reporting dashboard which automatically surfaces marketing campaign insights to clients of DoubleClick advertising.
- Co-launched and iteratively enhanced reporting products; integrated new data sources; data pipeline building, frontend and programmatic API development.
- On-call rotation for deployment and release management.
- Architected an in-app messaging solution used in four DoubleClick products by 2015.

	Two Sigma Investments (New York, NY)

2010-11 Index arbitrage initiative
- Developed pipeline for daily model-building over US ETFs.
- Tuned latency of tactic from 30 to 6 us per order.
- Developed performance reports; daily trading setup and monitoring; machine setup.

2009 High frequency broker-dealer platform development
- Designed and developed daemons and reporting module.

2009-10 Options Symbology Initiative (OSI)

- The OSI was an industry-wide upgrade to US option tickers to allow the introduction of options that expire on any day with decimal strike prices. Led firmwide data upgrade.

2008 Sponsored access trading

- Designed and developed high-frequency broker execution module.
- Prepared launch in coordination with technical representatives from a broker and an exchange.

2007-09 Data engineering, operations, infrastructure

- Designed and developed providers of bookdata to simulations.
- Designed, developed and maintained jobs for data ingestion and cleaning.
- On-call rotation for maintaining data SLA on secmaster, corporate actions, tickdata, etc.
- Contributed to development of in-house data analysis environment; refactoring initiatives.

	Siemens Medical Solutions (Malvern, PA)
2006-07	Soarian Clinicals R&D • Soarian Clinicals is a healthcare information system for hospitals. Key member of a large global team (200+ people) tasked with migrating legacy C++ platform to new architecture. • Ported features; organized systemwide integration testing; data model migration planning.
2005-06	Soarian Enterprise Systems Test • Designed and implemented tool to parse healthcare claims using JavaCC. • Proposed, designed and implemented web-based system for managing workflow tests.
2004	Intern, Common User Interface Architecture
	Carnegie Mellon University (Pittsburgh, PA)
2002-05	Programmer (Biology, Robotics); Peer Tutor; Course Instructor for introductory and intermediate programming courses.

Education

2005	B.Sc Computer Science, University and College Honors, Carnegie Mellon (Pittsburgh, PA) Mathematics minor; Senior Honors Thesis using information retrieval and machine learning.
2001	Cambridge Advanced Levels (grade: 5A), Taylor's College (Subang Jaya, Malaysia) Biology, Chemistry, Physics, Mathematics, General Paper.

Certifications

2016	MSE240 Accounting for Managers and Entrepreneurs, Stanford University (grade: A)
2016	Google Machine Learning Crash Course with TensorFlow APIs
2016	Statistical Learning, Stanford Online
2014-15	John Hopkins Coursera Data Science series (average grade: 100%)
2007	Sun Certified Programmer for the Java 2 Platform, Standard Edition 5.0

Awards

2012	DoubleClick Quarterly Innovation Award
2006	Siemens 3i Award
2003-04	Merck Computational Biology and Chemistry Research Grant
2000-01	Full Merit Scholarship, Taylor's College
1999	Dato Pilus Gold Award, Sri Cempaka School (high school valedictorian)

Community

2012-15	Jersey City Brunch Book Club meetup: Founder, organizer
2014	Google Women Engineers New York: monthly lunch organizer

Languages

Coding: Java, C++, JavaScript, Python, Perl, HTML, CSS, SVG, R, JavaCC, sed, Lisp, SML.
English, Malay, conversational Hokkien, elementary Mandarin, elementary German.

Personal

Interests: dancing, swimming, books.