Chan-Ho Suh

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Education

- o BA, Cornell University, cum laude in mathematics, May 2001
- o PhD, University of California at Davis, mathematics, Dec 2007
- o MS, Rutgers, mathematical finance, Jan 2014

Employment

Capital One

Apr 2019 - current, Senior engineer / tech lead

- As lead for Python-based access to data lake, gather requirements for machine learning group while proactively identifying and addressing usability pain points.
- Architect a consistent interface for both local and distributed computing needs.

o LoanStreet Inc.

Mar 2018 - Feb 2019, Senior software engineer in financial technology

- Re-architected loan syndication tech stack using domain-driven design to faciliate interaction with the business and ensure closer adherence to business rules.
- Created and managed issues for a team of 4. Collaborated with the business on functional testing.
- As hands-on lead, wrote core Python libraries for event-sourced microservices communicating through RabbitMQ & REST, created Docker configurations, and set standards from code quality to Git workflow and CI.

MIO Partners (McKinsey & Co subsidiary)

Mar 2016 - Feb 2018, Quant developer for trading

- Created Python-based portfolio management tools which are used interactively for analysis and as components in report-generation processes deployed in Docker containers.
- Created and maintained daily trading opportunity charts reviewed by the CEO. Data was
 processed from a variety of sources including emails and databases.
- As project manager, gathered requirements for a web app (React JS and Python), coded back-end computations, and managed two front-end developers.

o JP Morgan Chase

Mar 2015 - Mar 2016, Quant developer for regulatory capital

- Automated Excel and Access-based manual processes as robust server processes, with event-driven GUI, using proprietary Python-based environment (Athena).
- Frequent communication and signoffs from business users were required, with careful documentation showing accuracy of results.

o Nomura

Feb 2014 - Mar 2015, Front office developer for electronic trading

- Created a low-latency order book generator that used Tibco Rendezvous to aggregate market-data and pricing and communicate with smart order router and GUI (Java/Linux).
- Primary maintainer of automated market-maker for USD swaps and swap futures.
- Created a FIX trade feed from ION trading platform into trade management system.

Nomura

2013, Intern for equities connectivity team

o University of California, Davis

2012 Lecturer

Head instructor for courses in calculus, linear algebra, and probability

o Bard College, BHSEC program

2009 - 2011, Assistant Professor

Oversaw the development of accelerated math curriculum for early college program.

o University of Victoria

2008 - 2009, PIMS Postdoctoral Fellow

Conducted mathematical research in low-dimensional topology

Skills & Abilities

- o Programming languages: Python (4.5 years), Java (1.5 years)
- o Work experience in a Linux server environment, using Unix tools (grep, awk, sed, vi(m), etc.)
- o Experienced on backend (Linux, Postgres, etc.) with facility on frontend (Django, React)

Fellowships

- Pacific Institute for the Mathematical Sciences Postdoctoral Fellowship
- National Science Foundation VIGRE Fellowship (4 years)

Personal

o Naturalized U.S. Citizen; moved to the U.S. at age eight.