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About Me

I like to constantly learn and enjoy being around other enthusiastic people who take pride in their field. I enjoy various areas including game development, mathematics, machine learning, simulations, and hard/abstract problems in general.

Professional Experience

Simply Measured

Director of Engineering

Oct 2017 - Present

- Lead and build an engineering team of innovative and cutting-edge technologies.
- Align engineering goals with company direction and requirements.

Principal Engineer

Dec 2015 - Oct 2017

- Merged DataRank with Simply Measured to accelerate growth and help win a bigger market.
- Integrate DataRank technologies with Simply Measured technologies to build a next generation analytics engine.

DataRank

CTO / Co-founder

Aug 2011 - Dec 2016

- DataRank provides an easy to use integrated analytics dashboard for analyzing all of the online conversations about your brands and competitors.
- Helped build company from 3 people to 18 people.
- Consistently grew company at a predictable and maintainable rate.
- Successfully entered and graduated from Y-Combinator.
- Helped to design and engineer a state-of-the art Social Data search/analytics engine.

Lockheed Martin, Missile Defense National Team B (Crystal City, VA)

Software Engineer I

Jun 2010 - Aug 2011

- Develop and deploy software to test functionality of key components within Global Engagement Manager software in Java

Systems Testing/Analysis (internship)

May - Aug 2008

Software Engineer (internship)

May - Aug 2007

Software Engineer (internship)

May - Aug 2009

- Developed Unix scripts to assist in the testing of software using sh, awk, groovy, and other common Unix tools.
- Developed software intended to coordinate an automated response to a ballistic missile attack against the United States and allies.

United States Marine Corps Reserve

Aug 2004 - 2007

- Small Arms Repair Technician School (Armory School)
- Job Responsibilities - security and maintenance to ordnance, ensure operational safety by teaching classes to other Marines while maintaining a SECRET CLEARANCE.

Education/Activities

Y Combinator

Aug 2013

B.S., Computer Science University of Arkansas

May 2010

Minor, Mathematics University of Arkansas

May 2010

Minor, Japanese Business University of Arkansas

Aug 2008

Study Abroad, Osaka, Japan Kansai University of Foreign Languages. (関西外国語大学)

Aug 2007 - Apr 2008

As an undergraduate at the University of Arkansas:

University of Arkansas Game Development Club (UAGDC)

Aug 2004 - May 2010

- Developed computer game software as a member, and eventually president, of the UAGDC, using primarily C++ and various gaming libraries(allegro, SDL, Ogre3D) as well as Java and basic.

Military Past and Present on Campus (MPPOC)

Aug 2004 - May 2010

- Webmaster and officer, aided in raising funds for veteran students on campus.

Technical Proficiencies

Languages: Java, Kotlin, C/C++, PHP, Javascript, HTML/CSS, Python, Ruby, MatLab, Perl, SQL, Haskell, x86/68K Assembly

Technologies: Elasticsearch, Storm, Hadoop (HBase, Map/Reduce, HDFS), Spring, Antlr, Git, SVN, Maven, IntelliJ, Eclipse, VI

Focus: Search, Matching, Machine Learning, Distributed Computing, Data Pipelines, Simulation, Mathematics

Language Proficiencies

Japanese: High Proficiency. Skills with business Japanese (敬語). Plan to take highest level proficiency exam (日本語能力試験一級).

Mandarin Chinese: High Proficiency. Use everyday. Plan to take the highest level proficiency exam (中国汉语水平考试高级).

Honors, Awards, and Other Achievements

- Chinese Speech Contest - (Advanced Business) – 3rd Place (2010), (Elementary) - 1st Place (2006)
- Japanese Speech Contest - Runner Up (2005)
- Meritorious Mast. Top graduate of Armory School. USMCR (2005)