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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 applying computer science to problems in various fields. Particularly, I enjoy studying machine learning, game development, and natural language processing.

## Professional Experience

### Simply Measured

#### Principal Engineer

Dec 2015 - Present

- 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, Inc.

#### 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. <https://datarank.com>
- 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.

## 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

**Platforms:** Mac, UNIX, Windows

**Languages:** Java, C/C++, PHP, Javascript, HTML/CSS, Ruby, UNIX shell scripting, MatLab, Perl, MySQL, Haskell, Go, x86/68K Assembly (limited)

**Technologies:** Elasticsearch, Storm, Hadoop (HBase, Map/Reduce, HDFS, Hive), Spring, Antlr 4, JUnit, EasyMock

**Tools:** Git, SVN, Ant, Maven, IntelliJ, Eclipse, Netbeans, VI

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

## Language Proficiencies

**Japanese:** High Proficiency. Preparing to take highest level proficiency exam (日本語能力試験一級). Skills with business Japanese, including honorifics systems (敬語).

**Mandarin Chinese:** Proficient. Preparing to take the highest level Proficiency exam (中国汉语水平考试(HSK)高级).

## Military Experience

### United States Marine Corps Reserve (USCMR)

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.

## 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)