

EMPLOYMENT

Software Engineer, Intern	Facebook	Summer 2015
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Entity Ranking, Search Team

- Built reverse index for new Celebrity Search module generating related celebrities for current page.
- Wrote C++ classifier to detect/remove objectionable content from typeahead and SERP.
- Developed Hive pipelines analyzing entity click logs to generate new features used for ranking.
- Implemented noob-friendly improvements to internal Grep tool to support filename searches.

Software Engineer, Intern	BlackRock	Summer 2014
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Order Management Systems

- Developed full-stack Java application allowing traders to process previously inaccessible FIX messages.
- Reduced runtime of portfolio analytics tool by 94% by redesigning algorithms using Hadoop and Pig.
- Implemented dependency injection and inversion of control using Ivy's Java xml framework.

EDUCATION

University of California, Berkeley B.S. Computer Science [2012 – 2016] GPA: 3.88	Intro to Computer Science Data Structures Machine Structures/Architecture Algorithms Operating Systems Artificial Intelligence Machine Learning Deep Reinforcement Learning (IP)	Calculus I, II, III Linear Algebra and Diff EQ Discrete Math & Probability Systems and Signals MacOSX/iOS Databases (IP)
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RECOGNITION AND AWARDS

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- **Top 20 Projects [Zombie Toilet Attack]** – PennAppsX 2014
 - **Best Use of Peel API [Panda Show]** – TechCrunch Disrupt Hackathon 2014
 - **Top 10 Projects [Shark Education]** – HackUCI 2014
 - **Best Game [Survive College]** – HackJam 2013

PROJECTS

• Cat Text 2.0	iPhone app that lets you send hundreds of photos of cats to your friends.
• Zombie Toilet Attack	Oculus Rift Unity zombie defense game integrating the Myo Armband.
• Panda Show	Website that finds TV shows and allows you to tweet or text about them.
• Shark Education	Oculus Rift Unity hoverboard game controlled by a Wiimote on a longboard.
• Stock Arbitrage Finder	Analytics tool that searches through ETrade API for arbitrage opportunities.

LANGUAGES AND TECHNOLOGIES

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- Java (Hadoop, Spring, Ivy, and Cassandra), C (OpenMP and SSE SIMD), C++, Python, Hive, and Pig.
 - Experience with Unity, SQL, OpenCV, and APIs (Peel, ETrade, Twitter, Twilio, Yelp, Google Maps).

EXTRACURRICULAR ACTIVITIES

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- Cal Men's Volleyball [Captain] – Nationally ranked men's volleyball program practicing 5x per week.
 - Berkeley Investment Group [Equity Officer] – Student-run mutual fund investing > \$230,000 in stocks.