

EMPLOYMENT

Software Engineer, Intern	BlackRock	Summer 2014
<i>Order Management Systems</i>		
<ul style="list-style-type: none">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: 3.89	Intro to Computer Science Data Structures Machine Structures/Architecture Algorithms Artificial Intelligence MacOSX/iOS Operating Systems (IP) Machine Learning (IP)	Calculus I, II, III Linear Algebra and Diff EQ Discrete Math & Probability Systems and Signals (IP)
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RECOGNITION AND AWARDS

- 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

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| • 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

- Java (Hadoop, Spring, Ivy, Hibernate, and Cassandra), C (OpenMP and SSE SIMD), C#, Python, and Pig.
- Experience with JavaScript, Unity, SQL, and APIs (Peel, ETrade, Twitter, Twilio, Yelp, Google Maps).
- Also machine learning (SVMs, Bayesian Classifiers, Decision Trees, and Neural Nets/CNNs).

EXTRACURRICULAR ACTIVITIES

- 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.