

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	Intro to Computer Science	Calculus I, II, III
B.S. Computer Science [2012 – 2016]	Data Structures	Linear Algebra and Diff EQ
GPA: 3.91	Machine Structures/Architecture	
	Discrete Math & Probability	
	Algorithms (IP)	
	Artificial Intelligence (IP)	
	MacOSX/iOS (IP)	
	Ruby on Rails (IP)	

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

• 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, 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).

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.