VICTOR CHEN

victorface2.github.io
github.com/victorface2

EMPLOYMENT

Software Engineer, Intern | **Facebook** | **Summer 2015**

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**

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	Calculus I, II, III
Data Structures	Linear Algebra and Diff EQ
Machine Structures/Architecture	Discrete Math & Probability
Algorithms	Systems and Signals
Operating Systems	MacOSX/iOS
Artificial Intelligence	Databases (IP)
Machine Learning	
Deep Reinforcement Learning (IP)	

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

- 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, 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

- 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.