

bc@brianchu.com
(650) 283-6498
SF Bay Area

Brian Chu

brianchu.com
github.com/bchu
twitter.com/brrrianchu

EDUCATION

University of California, Berkeley

Class of 2017

- BA Computer Science, 4.0/4.0 GPA
- Current courses: Deep Reinforcement Learning, Probability & Random Processes.
- Completed courses: Machine Learning, AI, OS, Algorithms, Data Structures, Databases, Discrete Math, Linear Algebra, Bash/Unix, Circuits, and more.
- Officer at Hackers@Berkeley, teaching workshops on practical software topics (web dev, etc.)

Research Assistant

October 2015 - Present

- Research on fine-tuning deep learning within Professor Trevor Darrell's group.

Undergraduate Student Instructor (Machine Learning)

August 2015 - Present

- Lead discussion sections, hold office hours, develop projects for CS 189.

EXPERIENCE

Twitter

June 2015 – August 2015

Software Engineering Intern

San Francisco

- Contributed to several Scala services on Ads Analytics Infrastructure team.
- Developed parser to de/serialize Thrift queries in a readable format, reducing time spent debugging/exploring queries. Tool used by multiple teams relying on this infrastructure.
- Wrote Scalding statistics jobs, tuned performance of Heron jobs (internal successor to Storm).

Keychain Logistics

June 2014 – August 2014

Software Engineer

San Francisco

- Developed a native iOS app for a Y Combinator startup, based on their webview mobile app.

MakeGamesWithUs (now known as MakeSchool)

June 2012 – April 2013

Software Engineer

Palo Alto

- Developed two iOS games published to the App Store for a YC startup, using cocos2d engine.

SKILLS

- Fluent: Python, C, Objective-C, iOS, JavaScript, Git.
- Proficient: Scala, Java, SQL, MATLAB, jQuery, HTML/CSS.
- Dabbled: MIPS, Ruby, Node.js.

PROJECTS

Neural Net

- 2 layer neural net from scratch for ML class. Used ReLU, softmax, momentum, mini-batches, max-norm constraints. Used elastic deformations to get 1.02% MNIST error.

Devils in Heaven

brianchu.com/devils-in-heaven

- iOS App Store physics game. Features ragdolls, projectiles (Objective-C, cocos2d).

i3D

github.com/bchu/i3d-ios

- 3D browser visualization of iPhone orientation, built at Greylock Hackfest (three.js, Node.js).

➤ See more at brianchu.com/projects