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SF Bay Area

Brian Chu

brianchu.com
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EXPERIENCE

Cardiogram   September 2017 - Present
Software Engineer
- Machine learning for wearable health.

UC Berkeley (Berkeley AI Research)   October 2015 – August 2016
Research Assistant
- Oct. 2016 – May 2016: Research on deep learning fine-tuning using Caffe in Trevor Darrell's group, supervised by a postdoc and grad student.
- May 2016 – August 2016: Explored off-the-shelf SLAM libraries on vehicle dashcam data.

Twitter   June 2015 – August 2015
Software Engineering Intern   San Francisco
- 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 jobs to compute statistics on queries received.

Keychain Logistics   June 2014 – August 2014
Software Engineer   San Francisco
- Developed prototype native Objective-C iOS app for a Y Combinator startup.

EDUCATION

University of California, Berkeley   Class of 2017
- *BA Computer Science, 3.9/4.0 GPA*
- Select courses: Algorithms for Computational Biology, Graduate Algorithms, Graduate Computer Vision, Optimization Models, Machine Learning, Probability & Random Processes, Linear Algebra, AI, Operating Systems, Databases.

Undergraduate Student Instructor (**Machine Learning**)   Fall 2015, Fall 2016
- Led discussion sections, developed multiple projects, answered student questions, graded problems for intro machine learning class (CS 189) for two semesters.

PROJECTS and PUBLICATIONS

"**Best Practices for Fine-tuning Visual Classifiers to New Domains**."   brianchu.com/scholar
   Brian Chu*, Vashisht Madhavan*, Oscar Beijbom, Judy Hoffman, Trevor Darrell.
European Conference in Computer Vision (ECCV) Workshop on Transferring and Adapting Source Knowledge in Computer Vision (TASK-CV), *2016*
- The workshop had a ~50% acceptance rate.

Devils in Heaven   brianchu.com/devils-in-heaven
- iOS App Store physics game. Features ragdolls, projectiles (Objective-C, cocos2d).

➢**See more at** brianchu.com/projects

SKILLS

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