

# Can Koc

Website: [cankoc.io](http://cankoc.io) | Mobile: 415-802-5332 | Email: [cankoc@berkeley.edu](mailto:cankoc@berkeley.edu)

## EDUCATION

### University of California, Berkeley

B.S. in Electrical Engineering and Computer Sciences

Expected May 2017

## COURSEWORK

Data Structures, Machine Structures, Algorithms, Statistics, Probability, Artificial Intelligence, Machine Learning, Operating Systems, Computer Vision(Graduate), Deep Learning(Graduate)

## EXPERIENCE

### Apple Inc.

Software Engineering Intern in Apple Maps Team

Sunnyvale, CA | 06/06/16 – 08/23/16

- Worked under Per Fahlberg in Maps Special Projects Team.

### TubeMogul Inc (now Adobe)

Software Engineering Intern in Real Time Bidding Team

Emeryville, CA | 06/04/15 – 08/24/15

- Developed a distributed system that submits campaigns from TubeMogul platform into Facebook platform
- Developed a logging method using Amazon SQS, S3 and MySQL to recover from data submission failures.
- Used caching and threads to improve efficiency of getting campaign data and submitting it to Facebook.

### Berkeley AI and Robotics Lab

Undergraduate Researcher

Berkeley, CA | Current

- Worked on machine learning, modelling and simulating leg behaviors of Velociroach (6 legged milli robot).
- Working on tactile sensing and environment mapping using Machine Learning.
- Presented research results in Bay Area Robotics Symposium 2016.
- Preparing a paper for submission to IROS 2017 Conference.

## PROJECTS

**Cave Dodger:** Designed the art and developed the engines for a single player android game app inspired from the Flappy bird.

**Anime Faces:** Image classification project to recognize faces in animes using domain adaption on neural networks.

**ATLAS:** Landmark recognition using TF-IDF and NMF to associate images with a set of tags (e.g. bridge, tower, etc.) obtained from Clarifai's Image Recognition API and a Linear SVM to classify images. Recognized images of Eiffel Tower, Golden Gate Bridge, Stonehenge, and the Colosseum with 95% accuracy.

**Osiris:** Android Twilio application that lets users access real time Yelp, Google Maps, weather information without wifi or data.

**Smart Power Nap:** Android application that detects when a user falls asleep and measures the amount of power nap a user received. This app is available on Google Play app store.

**Hando:** Arduino web application that lets users log in to the Hando website to unlock their house door without the need for a physical key.

## SKILLS

Fluent: Python, Java, Numpy, Scipy

Experienced: C, C++, Caffe, Numpy, Map Reduce, Rest API, Android, AWS(EC2, S3, SQS), Git