

Can Koc

Website: cankoc.io | Mobile: 415-802-5332 | Email: cankoc@berkeley.edu

EDUCATION

University of California, Berkeley

Expected May 2017

B.S. in Electrical Engineering and Computer Sciences

COURSEWORK

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

EXPERIENCE

Apple Inc.

Sunnyvale, CA | 06/06/16 – 08/23/16

Software Engineering Intern in Apple Maps Team

- Worked under Per Fahlberg in Maps Special Projects Team.

TubeMogul Inc (now Adobe)

Emeryville, CA | 06/04/15 – 08/24/15

Software Engineering Intern in Real Time Bidding Team

- 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

Berkeley, CA | Current

Undergraduate Researcher

- 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