

ADRIENNE MOK

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES
BS Mathematics of Computation

OCTOBER 2014 – JUNE 2018

WORK EXPERIENCE

SOUTHERN CALIFORNIA EDISON (TECHNICAL SPECIALIST)

JUNE 2018 – PRESENT

Develop complex SQL queries and programs in SAS Enterprise Guide to efficiently manipulate large datasets with millions of rows. Integrate SAS Enterprise Guide programs with SAS Visual Analytics to automate the reporting process.

SOUTHERN CALIFORNIA EDISON (ANALYTICS & REPORTING INTERN)

JUNE 2017 – JUNE 2018

Clean, validate, and conduct analyses on large datasets in Excel, Access, R, and SAS using various statistical techniques. Streamline reporting by creating a completely automated process through VBScripts and SAS programs.

SKILLS

LANGUAGES: C++, Python, R, SQL, HTML/CSS, JavaScript, VBScript, MATLAB

SOFTWARE TOOLS: SAS, WebGL, Arduino

DATA ANALYSIS: k -means clustering, PCA, spectral clustering, collaborative filtering, neural networks

OFFICE: Excel, Access, Word, PowerPoint, Outlook

PROJECTS

HISTORY OF ANDROID (JAVASCRIPT, HTML/CSS, WebGL)

APRIL 2017

All computer graphics and animations written completely from scratch using JavaScript and WebGL

AUTOMATICALLY DETECTING AND CLASSIFYING FISH (PYTHON)

MARCH 2017

Fine-tuned a CNN to automatically detect and classify fish. Placed within top 11% of Kaggle competition

K-MEANS CLUSTERING (PYTHON)

JANUARY 2017

Used BLAS-3 routines to efficiently perform k -means clustering on a large data set for image recognition

KEYBOARD HERO (ARDUINO)

NOVEMBER – DECEMBER 2016

Built the hardware/software for the piano version of Guitar Hero

SIZEABLE RODENT (ARDUINO)

APRIL – MAY 2016

Built the hardware/software for a rodent that takes input from various sensors and accurately traverses a maze

ACTIVITIES

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

General Board Member

Advanced Projects Member

Open Projects Space (OPS) Member

Code, Collaborate, Challenge (C3) Member

December 2015 – June 2017

September 2016 – June 2017

September 2015 – June 2016

September 2015 – June 2016

WOMEN IN ENGINEERING (WIE)

Events Coordinator

April 2016 – June 2017