

ADRIENNE MOK

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EDUCATION

JOHNS HOPKINS – WHITING SCHOOL OF ENGINEERING

MS Data Science

AUGUST 2018 - PRESENT

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BS Mathematics of Computation

OCTOBER 2014 – JUNE 2018

WORK EXPERIENCE

SOUTHERN CALIFORNIA EDISON (TECHNICAL SPECIALIST)

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 and create compelling data visualizations.

JUNE 2018 – PRESENT

SOUTHERN CALIFORNIA EDISON (ANALYTICS & REPORTING INTERN)

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

JUNE 2017 – JUNE 2018

SKILLS

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

SOFTWARE TOOLS: SAS, WebGL, Arduino

OFFICE: Excel, Access, Word, PowerPoint, Outlook

PROJECTS

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

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

APRIL 2017

AUTOMATICALLY DETECTING AND CLASSIFYING FISH (PYTHON)

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

MARCH 2017

K-MEANS CLUSTERING (PYTHON)

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

JANUARY 2017

KEYBOARD HERO (ARDUINO)

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

NOVEMBER – DECEMBER 2016

SIZEABLE RODENT (ARDUINO)

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

APRIL – MAY 2016

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