ADRIENNE MOK

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EDUCATION

JOHNS HOPKINS – WHITING SCHOOL OF ENGINEERING — **AUGUST 2018 - PRESENT**
MS Data Science

UNIVERSITY OF CALIFORNIA,LOS ANGELES — **OCTOBER 2014 – JUNE 2018**
BS Mathematics of Computation

WORK EXPERIENCE

SOUTHERN CALIFORNIA EDISON (DATA SCIENTIST) — **JULY 2018 – PRESENT**
Automated the reporting process through complex SQL queries in SAS Enterprise Guide, enabling users to have access to self-serve analytics. Built forecasting into reports to allow users to predict future performance. Used macros and efficient programming practices within SAS Enterprise Guide to ensure optimal performance. Created stored processes capable of querying over 30 million records and handling these tables as the records grow over time. Stored process effectively reduced the running time from 5 minutes to 2 seconds, allowing users to filter the data for specified parameters and receive results within seconds, lending to a greater user experience.

SOUTHERN CALIFORNIA EDISON (TECHNICAL SPECIALIST) — **JUNE 2018 – JULY 2018**
Developed 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.

SOUTHERN CALIFORNIA EDISON (ANALYTICS & REPORTING INTERN) — **JUNE 2017 – JUNE 2018**
Cleaned, validated, and conducted analyses on large datasets in Excel, Access, R, and SAS. Streamlined 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

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 AN CLASSIFYING FISH (PYTHON) — **MARCH 2017**
Fine-tuned a CNN to automatically detect and classify fish. Placed within top 11% of Kaggle competition

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	December 2015 – June 2017
Advanced Projects Member	September 2016 – June 2017
Open Projects Space (OPS) Member	September 2015 – June 2016
Code, Collaborate, Challenge (C3) Member	September 2015 – June 2016

WOMEN IN ENGINEERING (WIE)

Events Coordinator	April 2016 – June 2017