

Angie Kim

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EDUCATION

Brown University, *B.Sc. Applied Mathematics* (Honors Candidate)

September 2016 – May 2020 (expected)

- Overall GPA: 3.52; Concentration GPA: 3.67
- SAT: 2360 (Math 800, Reading 800, Writing 760); SAT Math II: 800
- Coursework in object-oriented programming, functional programming, machine learning, deep learning, probability and statistics, linear algebra, differential equations, dynamical systems, real analysis, and environmental policy

SKILLS & TECHNOLOGIES

Proficient: Python (NumPy, sklearn, pandas, TensorFlow), Java (Spring), HTML/CSS, Angular, Git, SQL

Familiar: Kubernetes, Scala, MATLAB, R

PROJECTS

for full list and descriptions, see [website](http://angiejwkim.com)

- **Honors Thesis:** Work with Professor Stephen Bach to evaluate algorithms that can improve machine learning model accuracy in weakly supervised settings (in progress)
- **Electric Vehicle Analysis:** Developed a Poisson process model, did parameter estimation using k-means, and simulated the effect of municipal policies on demand for electric vehicle charging (NumPy, sklearn, matplotlib; Spring 2019)
- **DCGAN:** Created a deep convolutional generative adversarial network trained on celebrity photos to produce images of human faces (TensorFlow, GCP; Fall 2018)

TECHNICAL EXPERIENCE

BlackRock, *Software Engineering Intern*

New York, NY | May 2019 – Present

- Developed Spring Boot web application for e-communications surveillance and deployed app on Kubernetes
- Built search interface and data display with near-real time querying capabilities using Elasticsearch
- Collaborated with group of interns to create a Chrome extension to define company acronyms upon text highlighting

Brown University, *Undergraduate Teaching Assistant: CSCI 1420*

Providence, RI | November 2018 – May 2019

- Supported student understanding of machine learning theory and algorithms, covering such topics as PAC learning, logistic regression, decision trees, K-means, neural networks, VC dimension, and expectation maximization
- Led the organization of and prepared material for midterm and final exam review sessions with one other TA

Climate and Development Lab, *Research Assistant*

Providence, RI | May 2018 – May 2019

- Created dashboard to visualize progress on Rhode Island's climate targets and presented to top state officials
- Researched methane leakage rates for a 100% emissions reduction model for Rhode Island (publication forthcoming)
- Scripted collection of tweet history of climate change deniers to collect common vocabulary among group for analysis

Brown Center for Biomedical Informatics, *Research Assistant*

Providence, RI | June 2018 – August 2018

- Cleaned text data and ran bi-affine relation attention network for gene classification in text (TensorFlow, CUDA)
- Acquired understanding of [academic paper](#) and corresponding code to adapt neural net architecture for use case

LEADERSHIP EXPERIENCE

Brown Political Review, *Data Editor; Senior Managing Editor*

Providence, RI | August 2016 – Present

- Led BPR's 16-person Editorial Board and was responsible for the quarterly magazine's editorial direction
- Reconciled and incorporated interests of 150 members across organization to oversee smooth publication process
- Extensively edited content, direction, and style of up to 40 articles per semester for print and online publication
- Diversified content length to maintain editorial quality through design director's push to shorten articles for design needs

oSTEM at Brown, *Undergraduate Leader*

Providence, RI | January 2019 – Present

- Coordinate events in a team of three undergraduates for LGBTQ students in STEM to find community and solidarity
- Invite professionals and academics to share their experiences as members of the LGBTQ community in STEM fields

INTERESTS

Food journalism, poker, long-distance running, crossword puzzles, environmental justice advocacy, podcasts