

Angie Kim

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EDUCATION

Brown University, B.Sc. Applied Mathematics

May 2020 (expected)

- Overall GPA: 3.52; Concentration GPA: 3.62
- SAT: 2360 (Math 800, Reading 800, Writing 760); SAT Math II: 800
- Coursework in object-oriented and functional programming, machine/deep learning, probability and statistics, ordinary and partial differential equations, real analysis, mathematical microeconomics, and environmental policy
- Distinctions: Applied Math Directed Reading Program; Engaged Scholars Program

LANGUAGES & SKILLS

Python (NumPy, scikit-learn, pandas, TensorFlow), Java, Scala, MATLAB, SQL, HTML/CSS, R

PROJECTS

- **Electric Vehicle Analysis:** A statistical model to estimate the effect of government policies on demand for electric vehicle charging (NumPy, sklearn, matplotlib; Spring 2019)
- **Rhode Island Climate Accountability Dashboard:** An online dashboard created to keep track of progress made on RI climate goals; delivered to 12 state agency heads in December 2018 (HTML/CSS, JavaScript; Fall 2018)
- **Today's the Day:** A new tab override Chrome extension to display upcoming events using the Google Calendar API (JavaScript/jQuery; Hack@Brown 2018)

TECHNICAL EXPERIENCE

BlackRock, Technology Summer Analyst

New York, NY | May 2019 – August 2019

Brown University Climate and Development Lab, Research Assistant

Providence, RI | May 2018 – Present

- Provide research support for development of a 100% emissions reduction model and policy pathways for Rhode Island
- Created dashboard (see above) with a partner over F'18 semester, with the goal of promoting public accountability
- Scripted collection of tweet history of climate change deniers to collect group vocabulary among group for analysis

Brown University, Undergraduate Teaching Assistant

Providence, RI | November 2017 – Present

- Instruct and mentor a total of 400 students as a TA for Introduction to Scientific Computing and Problem Solving (S'18), Applied Ordinary Differential Equations (F'18), and Machine Learning (S'19)
- Provide course support by grading assignments and exams, holding weekly office hours, and leading problem sessions
- Reworked and redesigned Machine Learning lecture slides for more effective communication of course material
- Worked one-on-one with professor to mitigate student concerns and confusion throughout a difficult project

Rhode Island Hospital, Bioinformatics Intern

Providence, RI | June 2018 – August 2018

- Developed gene fusion literature database, including neural network, data processing, and databases
- Engineered continuously running data pipeline for classification of gene fusion pairs in paper abstracts
- Acquired understanding of academic paper and corresponding code to adapt its neural network architecture for project

LEADERSHIP EXPERIENCE

Brown Political Review, Data Editor; prev. Senior Managing Editor

Providence, RI | August 2016 – May 2019

- Progressed from Associate Editor to Senior Managing Editor to lead BPR's 16-person Editorial Board, the body 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 art director's push to shorten articles for design needs

Computer Science for Social Change, Internal Partnerships Coordinator

Providence, RI | April 2018 – May 2019

- Collaborated with team of officers to oversee the operation and strategic direction for CSSC, a department initiative
- Spearheaded social good internship database and developed partnership with department's official recruiting process

INTERESTS

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