

KEVIN KANG

626-759-8767 | kevinkang1k1k@gmail.com | [linkedin.com/in/kevin-x-kang](https://www.linkedin.com/in/kevin-x-kang) | [kevin-x-kang.github.io](https://github.com/kevin-x-kang) | U.S. Citizen

EDUCATION

Brown University

Providence, RI

B.S. Computer Science (Machine Learning & Data Pathway), GPA 3.80

Sep. 2019 – May 2023

- *Relevant Coursework:* Machine Learning, Deep Learning, Computer Vision, Computer Systems, Data Science, Artificial Intelligence, UI/UX, Software Security, Statistical Inference, Linear Algebra, Discrete Mathematics

PROFESSIONAL EXPERIENCE

Software Development Engineer Intern

Washington, D.C.

Amazon Web Services (AWS)

May 2023 – Aug. 2023

- Owned and delivered a Java microservice, retrieving 300+ S3-stored JSON documents via Elasticsearch using Jaccard and Levenshtein-inspired algorithms, boosting search efficiency and minimizing opportunity cost
- Implemented and integrated 2 RESTful APIs via API Gateway/Lambda into organizations's existing microservices
- Conceived project architecture and business logic, earning "exceeds expectations" rating in performance review

Undergraduate Teaching Assistant

Providence, RI

Brown University

Sep. 2021 - May 2023

- Instructed 500+ students across three courses (CS1951a, CS1870, CS111), leading labs, conducting office hours, grading assignments, and mentoring final projects – topics ranged from Racket, Python, machine learning, SQL, and Bayesian probability

Software Engineer Intern

Los Angeles, CA

Syntouch Inc.

Jun. 2021 – Aug. 2021

- Architected an interactive client facing Jupyter Notebook dashboard with ipywidgets, featuring advanced filtering across 10+ attributes and 5+ graph types, and customized integration of Seaborn's spider plot and strip plots for optimized data visualization
- Enhanced data reports for 3+ Fortune 100 clients by developing individualized interactive graphs, elevating client analysis and insight

Research Intern

Pasadena, CA

Idealab

Jun. 2018 – Aug. 2018

- Coded image capture program in Python, collecting 1,000+ images and enhancing dataset for image recognition
- Optimized Elementary's Intel 3D Realsense camera for recognition training on Robotic arm via manual calibration

PROJECTS

Through the Centuries | Python, Tensorflow, Pandas, Jupyter

Nov. 2022 – Dec. 2022

- Constructed a CNN painting genre classifier utilizing ResNet50 while retraining two additional dense layers to achieve a 99.64% training and 58.14% testing categorical accuracy

Crossword Editor | React.js, HTML/CSS, JavaScript, Firebase

Mar. 2022 – May 2022

- Developed and web hosted Crossword Puzzle Editor with predictive on-click auto-complete, cardinal navigation, and real-time storage/retrieval of puzzles

Bang! From Way Downtown | Python, Pandas, SQL

Feb. 2022 – May 2022

- Analyzed relationships between NBA player statistics (e.g., PPG, Win Share) and salaries for over 250+ players using Pearson correlation, Two-sample T-test, and linear regression thereby predicting player value

LEADERSHIP EXPERIENCE

Asian American Political Alliance (AAPA)

Providence, RI

Executive Board and Co-Founding Member

Oct. 2019 – Dec. 2022

- Directed weekly club meetings and spearheaded 40+ attendee Zoom event featuring Congresswoman Judy Chu
- Facilitated 13+ clubs joint donation matching campaign for social justice with total funds exceeding 8,000+ USD

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, JavaScript, HTML/CSS, Scala

Frameworks & Tools: React, Git, AWS (Lambda, API Gateway, CloudWatch, Cloudformations/CDK), Tensorflow, pandas, NumPy, Matplotlib, sci-kit, Beautiful Soup, Microsoft Suite, Google Suite