Kevin Luu

Berkeley, CA - Westminster, CA

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Education

University of California, Berkeley *Berkeley, CA*
B.A. in Computer Science *2019 - 2023 (expected)*
- **GPA:** 3.85 (Major), 3.6 (Cumulative)
- **Relevant Coursework: CS61B:** Data Structures, **CS 70:** Discrete Math & Probability, **CS 170:** Algorithms, **CS 188:** Artificial Intelligence, **CS 198:** Self-Driving Car, **CS 100:** Principles & Techniques of Data Science

Experience

Research Intern *Pittsburgh, PA*
Carnegie Mellon University School of Computer Science *May. 2020 - Aug. 2020*
- Mentored by Erik Harpstead and Danny Weitekamp in the Apprentice Learner group at CMU Human-Computer Interaction Institute.
- Wrote an extractor in Python to process 10,000 handwritten math equations in InkXML format to Bézier curve features.
- Trained a Recurrent Neural Network to recognize handwritten symbols that achieved 90% accuracy on CROHME 2012 dataset.
- Evaluated conference research papers to construct an Encoder-Decoder model with Attention that recognizes live handwritten math equations.

Math Competition Coach *Westminster, CA*
A+ Educational Institute *Jan. 2019 - Jun. 2019*
- Helped coach 15 middle school students with MathCounts and AMC 8/10/12 materials.

Projects

Twitter Dioxide

devpost.com/software/twitter-dioxide
- A web scraper that scans users' Twitter profile and informs carbon emission data based on Twiter activities.
- Developed using Python, Express & Node JS, and HTML/CSS.
- Submitted to TreeHacks 2020 at Stanford, CA.

Celebrity Face Recognition

github.com/khluu/kpop-idol-face-identifier
- A web app that recognizes celebrities from uploaded images with 85% accuracy.
- Developed using Microsoft Cognitive Services API, Azure Web, Node & Angular JS, and HTML/CSS.

Skills

Languages: Python, C/C++, Java, HTML/CSS, Javascript, SQL
Libraries: Tensorflow Keras, Numpy, SKLearn

Extracurricular

AI4ALL
Alumni *2018*
- Learned machine learning materials and worked on a research project in unsupervised learning using scikit-learn.
- Received a grant from AI4ALL to start a robotic educational program at my high school.

Honors & Awards

2019	**The Achievement Award Scholarship**, Cal Alumni Association	
2018	**Finalist**, QuestBridge National College Match	
2018	**Platinum Tier**, CyberPatriot X Competiton	
2018	**9th Individual**, High School Programming Competition @ CPP, out of 200 students	
2017	**Gold Division**, USA Computing Olympiad	