

Jeremy Jang

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Education

- M.S. Computer Science** *University of Southern California - Viterbi School of Engineering*
Artificial Intelligence Specialty *August 2023 - Present*
- *Anticipated Graduation: Fall 2024*
 - *Coursework: Foundations of Artificial Intelligence, Machine Learning*
- B.S. Computer Science** *New York University - Tandon School of Engineering*
Minor in Mathematics *September 2019 - May 2023*
- *Magna Cum Laude, Dean's List (2019-2023), Honors Scholar, GPA: 3.822/4.00*
 - *Coursework: Linear/Nonlinear Optimization, Visualization for Machine Learning, Data Science, Computer Graphics, Cryptography*

Work Experience

- Amazon - Alexa For Everyone** *September 2022 - December 2022*
Software Engineer Intern *Arlington, Virginia*
- Improved the accessibility for the Show & Tell feature on Alexa multimodal devices in **Java**
 - Used **S3 Bucket** and **AWS Rekognition** to design and test accessibility features
 - Presented intern project to Director of Alexa For Everyone (Matthew Kumin)

Research/Projects

- CaptionCraft: AI-Powered Image Captioning for Social Media** *August 2023 - Present*
Project for Graduate ML class (CSCI - 567) *Los Angeles, California*
- Focusing on enhancing caption creativity to increase a social media post's "likeability"
 - Analyzing ~1.6 million Instagram influencer and brand posts to cluster successful post types and to train a caption-generating language model
- Independent Study: Patterns in Programming** *May 2022 - August 2023*
Research with Professor Darryl Reeves *Brooklyn, New York*
- Using ML to analyze learning patterns from students (~200 students) Intro to Programming assignments
 - Automated the data pipeline (pre-processing, cleaning, and storing in a **MongoDB database**) in **Python**
- NYU Artificial Intelligence for Scientific Research (AiFSR)** *September 2021 - May 2022*
Collaboration with Adamas Nanotechnologies *Brooklyn, New York*
- Given a mixture of nanodiamonds, use ML to estimate the proportions used to construct said mixture
 - Implemented a model using a development stack of **Python**, **NumPy**, and **Sklearn** to fit spectra to mixtures (with incomplete/limited data) and investigated the various effects of adding noise

Certification

- UC Berkeley Extended Program** *August 2020 - February 2021*
Data Analytics Bootcamp *Remote/Berkeley, California*
- 6-month program in Data Science at UC Berkeley involving **SQL**, utilizing APIs, and **ML**

Technical skills

- Programming Languages** C/C++, Java, Javascript, Julia, L^AT_EX, Python, PostgreSQL, Scala
Technologies Android Studio, Docker, Flask, IntelliJ, Jupyter, NumPy, Pandas, PyTorch, Sklearn, Tableau