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# JUSTIN CHEN

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## University of California at Berkeley

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## WORK HISTORY

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### Amazon – Seattle, WA

June 2020 – Present

#### Software Development Engineer Intern – Supply Chain Optimization Team

- Built and automated a pipeline for direct fulfillment channel selection models: aggregating data, preprocessing (ETL), training, tuning, and deployment
- Worked with AWS services such as S3, Lambda, Sagemaker, Glue, EC2

### UC Berkeley EECS Department – Berkeley, CA

January 2019 – December 2019

#### Academic Intern

- Reviewing and preparing lab assignments with (u)GSIs each week for the course *COMPSCI 100*
- Assisting in lab and office hours

### JDA Software Group Inc. – Irving, TX

May 2019 – August 2019

#### Data Science Intern

- Developed a data pipeline to aggregate, standardize, and integrate data from multiple sources, including real-time & historical shipment, carrier, tracking, and product data with live update capability
- Contributed to a model for predicting time of arrival for specific shipments using real-time AIS responses through various API responses
- Built/Deployed a continuously updating web-based specification for customer process models for customer use (end-to-end)

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## RESEARCH

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### Neural Radiance Fields (NeRF)

August 2020 – Present

#### Computer Vision

- Working under Matthew Tancik (PhD candidate) in Dr. Ren Ng's lab at the University of California, Berkeley
- Studying the use of NeRF to synthesize photorealistic novel views of 3D objects and scenes

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## EDUCATION

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### Coppell High School - Coppell, TX

August 2014 - May 2018

#### High School Diploma

### University of California at Berkeley - Berkeley, CA

August 2018 - May 2022

#### B.A. Computer Science, B.A. Statistics (Intended)

- Selected Coursework: Data Structures and Algorithms, Principles and Techniques of Data Science, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations, Computer Architecture, Data and Decisions, Efficient Algorithms and Intractable Problems, Introduction to Artificial Intelligence

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## SKILLS AND INTERESTS

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### Programming Languages

Python, Java, C, SQL, Lisp (Proficient) | Javascript, HTML, CSS (Intermediate)

### Libraries and Frameworks

NumPy, pandas, matplotlib, scikit-learn, PyTorch, Jupyter, React.js, D3.js, Flask, Ray

### Software, OS

Git, AWS, RESTful APIs, Unix/Linux, Machine Learning, Spark, MongoDB, Docker

### Languages

English, Chinese, Spanish

### Interests

Tennis, Poker, Basketball, Music, Travel, Photography/Videography, Fitness