

SKILLS

Languages: Python, JavaScript, SQL

Data Science Tools: NumPy, PySpark, Keras, Pandas, Sklearn

Software Development: FastAPI, Svelte, Vue, Nuxt, Vite, Node, HTML/CSS, Docker, Redis, GIT, CLI, Elasticsearch

Data Visualization: Matplotlib, Seaborn, D3.js, P5.js

Cloud Services: AWS (ECS, S3), Firebase, Netlify

Leadership: Experience in mentoring junior developers

Data Science Education: Experience as a graduate research assistant and adjunct lecturer in Data Science

EXPERIENCE

Open Educational Resources Coordinator - Queensborough Community College

January 2025 - Present

- Design and implement data-driven strategies to evaluate OER impact, support faculty publishing, and advance open education

Founder & Data Engineer - Studio Miski

January 2020 - Present

- Led full-stack development for data platforms using Vue.js/Nuxt, D3.js, FastAPI, and Node.js
- Architected interactive visualization systems for complex datasets, including network analysis, working with text data
- Developed ETL pipelines and APIs for clients including Data For Black Lives, startups, and academic researchers
- Specialized in transforming raw institutional data into insights through statistical analysis and intuitive dashboards

Senior Software Engineer - Global Healthcare Exchange

June 2023 - June 2024

- Built and optimized interactive data dashboards in Vue and integrated them with Django REST based APIs

Adjunct Lecturer - New York City College of Technology

August 2020 - June 2023

- *Courses Taught:* Introduction to Data Science, Machine Learning Fundamentals, Introduction to NoSQL

Frontend Engineer - Calvin Klein

June 2019 - January 2020

- Maintained and updated CalvinKlein.com using JavaScript and HTML/CSS

Frontend Engineer - Turbonomic

July 2017 - June 2019

- Implemented AWS based WordPress development workflow with SCSS, and git-automated deployment for marketing site

User Interface Engineer - Sentient Jet

June 2015 - July 2017

- Designed and implemented data visualization dashboards using AngularJS

EDUCATION

MS Data Analysis and Visualization

CUNY Graduate Center

Select Courses: Text Analysis, Interactive Data Visualization, Big Data Analytics, Postcolonial French Cinema, Feminist Text Analysis

BA Modern Culture and Media

Brown University

Select Courses: Human Cognition, Radical Media, Advanced Documentary Production, Computer Generated 3D Imagery

AWARDS & RECOGNITION

- Visiting Researcher at ICERM/Brown University (2022-23) - Data Science and Social Justice Summer institute
- Fellow at Processing Foundation (2022) - funding to build an open-source whiteboard app for data science education with P5.js
- Digital Humanities Fellow at Mina Rees Library, CUNY Graduate Center (2022) - Indexed digital projects, conducted preliminary data analyses and visualizations, and documented methodologies for scholarly reference.
- CUNY Graduate Center (11/2021): Presented "Embedded Humanities in Data Systems," exploring indigenous Khipu and modern databases for the CUNY Digital Humanities Institute