Mark Lam

Brooklyn, New York

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github.com/emceelamb

Professional Experience

Aug 2021–

VECTOR SPACE BIOSCIENCES
Data Visualization & Product Engineer, New York City

- Designed and developed a data driven web app to visualize NLP correlated stocks using Next.js/ TypeScript with a Django Rest Framework back-end
- Developed microservice Docker containers including FastAPI, Next.js, Certbot, Django, and NGINX
- Implement JWT authentication and user accounts Django users

Jan 2021-
Apr 2022

UNITED NATIONS
Data Analytics - Front-End Developer, New York City

- Developed a data driven front-end React app for an open data platform
- Implemented Docker containerization to simplify deployment to Azure Cloud Service
- Implement authentication using OAuth and Azure Active Directory

Oct 2020–

CODECADEMY
Content Contributor, New York City

- Develop course content for Linux, Django development, authentication with Node.js, and creative coding.
- Develop learning standards and to measure learning success and outcomes
- Create unit test with Javascript and RegEx to evaluate learner inputs to ensure correct exercise completion

Dec 2015–

MARK OF THE LAM
Freelance Developer, New York City, Ho Chi Minh City, Los Angeles, Berkeley

- Design and develop websites for business ranging from personal artists to independent publishing houses to promote products, events and services with clients located in Israel, Qatar, Hong Kong, and United States
- Work with clients to define scope of work and create development timelines for deliverables

Aug 2018 -
May 2020

NEW YORK UNIVERSITY - ITP
Graduate Assistant – Web Accessibility Developer, New York City

- Developed an accessibility compliant front-end interface for a project database to meet NYU accessibility initiative guidelines in accordance to WCAG standards and tested with VoiceoOver, JAWS, and Lighout/WAVE
- Mentored and trained students in web accessible programming paradigms so students will consider impact of accessibility throughout their development career

Sep 2018 -
Aug 2019

LINCOLN CENTER FOR THE PERFORMING ARTS
Digital Accessibility Fellow, New York City

- Created accessibility training material for engineering and legal departments to promote access for a diverse customer base
- Audited internal and external digital media of a world-class performing arts institution and write recommendations to meet WCAG 2.1 and Section 508 compliance
- Prototype a fully compliant digital map of campus accessibility features to simplify wayfinding

Technical Skills

- Full Stack Web Development - React, VueJS, Django, Flask NodeJS, Figma, Postgresql
- Operations - *NIX System Administration, Git, Heroku, Docker, Wireshark
- Creative Coding - Processing, P5JS, Open Frameworks, Glitch, D3JS
- Hardware - Raspberry Pi, Arduino, ESP8266

Education

Fall I 2020

Participant
Recurse Center, New York City

May 2020

Interactive Telecommunications, Master of Professional Studies
New York University, New York City

Dec 2015

Media Studies & Art Practice, Bachelor of Arts
University of California, Berkeley, Berkeley

May 2013

Graphic Design, Associate of Arts
College of the Canyons, Valencia