

Mark Lam

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I'm a sculptor, media scholar, and educator turned developer with over five years experience developing websites and digital design for businesses ranging from e-commerce to independent artists. I recently received my Master's degree at New York University where I researched interactive media using computer networking technology. My other interests include teaching introductory programming, digital accessibility, and making generative sound objects.

AREAS OF INTEREST

- Dynamic Web Development - React, VueJS, Flask, Postgres, MongoDB
- Operations - Automation (Bash, Python), *NIX System Administration
- Real-time Data Visualization - D3JS, Processing, P5JS,
- Digital Accessibility Standards - WCAG 2.1, Section 508

Previous Experience

2015–

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Freelance Developer

NYC, HCMC, LA, Berkeley

- Design and develop websites for business ranging from personal artists to independent publishing houses
- Implement web features including image api's to online payment procedure
- Scope timelines and specifications while coordinating with clients to meet objectives
- Work with account managers to deploy websites and test for bugs and errors

2018–

NEW YORK UNIVERSITY - ITP

Graduate Assistant – Web Accessibility Developer

New York City

- Developed a compliant front-end interface for a project database
- Developed training materials to conduct accessibility audits with assistive tech including- VoiceOver, Jaws, and Lighthouse/WAVE
- Mentor students in programming
- Assess and correct digital accessibility issues in accordance to WCAG guidelines

- 2018–2019 **LINCOLN CENTER FOR THE PERFORMING ARTS**
Digital Accessibility Fellow
 New York City
- Created an automated work process for captioning a catalog of over 1000 hours of video content
 - Create internal digital accessibility training material 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
 - Develop a fully compliant digital map of campus accessibility features to allow for increased physical access
- 2017–2018 **HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY & EDUCATION**
Visiting Lecturer – Introductory Programming, English
 Ho Chi Minh City
- Develop an introductory English/programming curriculum in the C language for non-native English speaking students
 - Lead supplemental workshops in specialized programming topics such as web design and portfolio building
 - Collaborate with student leaders to promote extracurricular English study

Education

- 2020 **Interactive Telecommunications, Master of Professional Studies**
New York University, New York City
- 2015 **Media Studies & Art Practice, Bachelor of Arts**
University of California, Berkeley, Berkeley
- 2013 **Graphic Design, Associate of Arts**
College of the Canyons, Valencia

Projects & Workshops

- 2020 **Automating Mindfully, Technical Workshop**
Unconference at ITP NYU, New York City
- Introduction to Bash scripting language for beginner coders
 - Explore automation as a meditative practice
- 2019 **Network Operator, Performance**
NIME 2019, New York City
- Created a system of 9 networked Raspberry Pi's to create a percussive instrument
 - Developed custom servers to trigger motors based on network activity
- 2019 **Lincoln Center Campus Accessibility Map, Digital Map**
Lincoln Center for the Performing Arts, New York City
- Created a digital map of the Lincoln Center Campus that is fully compliant to WCAG 2.1 standards
 - Extended Google Maps API to incorporate WAI-ARIA features