

ATILIO BARREDA II

<https://atil.io> | abarreda@gradcenter.cuny.edu | Brooklyn, NY

SKILLS

JavaScript, Vue.js, D3.js, Node, Python (Pandas, NumPy, Matplotlib, Altair), MySQL, Neo4j, MongoDB, GCP/Firebase, HTML/CSS, SCSS, Photoshop, InDesign, Illustrator, Spanish

VOLUNTEER & NON-PROFIT CONSULTING

City of New York—Summer 2020

Created an online PPE directory with a Google Sheets backend in collaboration with CUNY's Tech Talent Pipeline

Data For Black Lives—2015 - Present

Software deployment and data visualization consultant

EDUCATION

MS Data Analysis and Visualization

CUNY Graduate Center—2021 - 2023 (expected)

Select Courses: Advanced Data Analysis, Interactive Data Visualization

BA Modern Culture and Media

Brown University—2008 - 2012

Select Courses: Digital Media, Human Cognition, Nature and Meaning of Scientific Explanation, Software Strategies, Documentary Production, Computer Generated 3D Imagery

RESEARCH & FELLOWSHIPS

Processing Fellow

Processing Foundation—Summer 2022

Awarded funding and mentorship to build an open-source whiteboard app for data science education with P5.js

Visiting Researcher

Institute for Computational and Experimental Research in Mathematics, Brown University—Summer 2022

Attended ICERM's *Data Science and Social Justice: Networks, Policy, and Education* research program to collaborate with faculty and graduate students to increase interest, research, training, and capacity for data science for social justice

Graduate Research Assistant in Digital Humanities

Mina Rees Library, CUNY Graduate Center—Spring 2022

Worked with CUNY librarians to document and run exploratory analysis and visualization techniques on the data set of digital projects cited in the *Debates in the Digital Humanities* book series

SELECT EXPERIENCE

Adjunct Lecturer - New York City College of Technology

August 2020 - Present

- *Courses Taught:* Introduction to Data Science, Machine Learning Fundamentals, Data On the Web (NoSQL survey),
- *Research Appointment:* Received funding from CUNY's Transformative Learning in the Humanities initiative to digitize and bring online City Tech's journal of student work, *The City Tech Writer*

Software Engineer/Principal - Studio Miski

January 2020 - Present

- Project-based work for startups, NGOs, and academics. Services include API development with Node.js, data migration and visualization, and designing and deploying single page web applications with cloud solutions
- Clients include:* American Society of Composers, Authors, and Publishers; Kasisto; Progress Labs

Frontend Developer - Calvin Klein

June 2019 - January 2020

- Maintained and updated CalvinKlein.com using JavaScript and HTML/CSS
- Automated image asset creation using JavaScript in Adobe InDesign

User Interface Developer - Turbonomic

July 2017 - June 2019

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

User Interface Developer - Sentient Jet

June 2015 - July 2017

- Designed and implemented data visualization dashboards using AngularJS