

Christian Moscardi

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Selected Experience

US Census Bureau – Suitland, MD

August 2018 - Present

Data Scientist

Continue the below work including bringing machine learning model into production, saving \$2M+ in future costs, \$50k+ in present costs (and counting), improving and developing future uses for model. Currently prototyping Amazon Mechanical Turk to develop a clean training set; incorporating ML into a new data collection tool. [Slides](#).

Civic Digital Fellow: Data Science

June 2018 - August 2018

Used NLP to improve Commodity Flow Survey operations. Modeled Census product codes via free-text product descriptions. Began incorporating new methods and processes (e.g. Active Learning, Amazon's Mechanical Turk) into Census' machine learning toolkit. Developed tools to operationalize model to improve both internal and end-user applications.

[The Data Incubator](#) – New York, NY

August 2016 – December 2017

Director of Technology

Managed 8-person technical team, 150-server cloud for all aspects of technical work. Set technical direction and priorities in collaboration with CEO. Worked to facilitate + deliver training opportunities, improve infrastructure, manage project development, develop + teach curriculum, hire + grow team. Led project to scale curriculum infrastructure from 100+ to 1000+ concurrent users via Kubernetes, GCP, JupyterHub, actively contributing to open-source JupyterHub infrastructure. After hired as first technical employee, left company with \$5M+ in revenue and 20-person organization.

Data Science Instructor, Tech Lead

August 2014 – August 2016

First technical hire. Developed web software and APIs (Python/Flask/Google App Engine/AngularJS/Apache) to facilitate admissions, fellowship, hiring, and training. Developed CI/CD and data infrastructure (Jenkins, Packer, Chef, Docker, Vagrant, HDFS/YARN, Spark, AWS + DigitalOcean) from the ground up. Developed and taught curriculum including Machine Learning, Python/PyData, Data Visualization/D3, Spark. Grew tech team; developed tech team development workflow and process.

Real Cheap Eats – New York, NY

Fall 2013-Fall 2017

Full-Stack Developer

Completed a full-stack rebuild for food blog in NYC. Worked with founders to determine desired features. Spec'd out the data model and other desired features, determined the correct technologies to use, built website. Used geospatial data to build a location-based 'explore' view for venues. Conducted user research to iterate on ideal UI/UX flows; worked with designers on UI/UX design. Maintained website until its closure in 2017.

Google, Inc. - New York, NY

Summer 2013

Software Engineering Intern

Worked with the Apps Script Developer Relations team. Wrote sample code/applications in JavaScript, improved documentation, reported bugs, helped plan the future direction of Apps Script, participated in live chats with developers (on [youtube!](#)). Met with technology reps from New Visions for Public Schools to develop integration for NYC public schools.

Volunteer Experience

BetaNYC – New York, NY

February 2017 – October 2018

Leadership Team Member

Work with leadership team to discuss opportunities, plan events, publish monthly community newsletter.

ScriptEd – New York, NY

August 2015 – December 2017

Teacher, Curriculum Planner

Teach students the basics of web development – HTML/CSS/JS. Plan lessons and curriculum with special focus on ESL students. Participate in ScriptEd curriculum development/planning.

Education

New York University □ Center for Urban Science and Progress □ MS Urban Informatics □ Expected Dec. 2018
Columbia University □ BS Mathematics / Computer Science □ Cum Laude □ National Merit Scholar □ Oxbridge Scholar □ ADI (Application Development Initiative) Board Member