

EXPERIENCE

RECURSE CENTER

Self-directed programming retreat in a rigorous peer-to-peer learning environment

BROOKLYN, NY
SEPTEMBER — DECEMBER 2018

Developing a full stack web site using solely Node.js, ie without a framework. The website is premised on the Model-View-Controller approach, where the content is dynamically generated and a Google Sheet acts as its database. When the user navigates to my site, I instantiate a server, parse the URL, get the right controller, which in turn queries the corresponding data and the view that the client then sees.

HARVARD UNIVERSITY GRADUATE SCHOOL OF DESIGN

Teaching and Research Assistant

CAMBRIDGE, MA
DECEMBER 2016 — SEPTEMBER 2018

ALive Project

- Collaborated with material scientists on investigating a pneumatic facade application using technologies pursued by the Wyss Institute
- Tasks included: setting research objectives, performing experiments, analyzing data using Python, modeling bespoke jigs in CAD (Rhinoceros and Grasshopper, C#), paper writing, as well as creating graphic assets and editing video footage (Adobe suite)
- Published paper: [Fluid Equilibrium: Material Computation in Ferrofluidic Castings](#)

Digital Media I, How to Make (almost) Anything

- Assisted with teaching courses in digital fabrication, rapid prototyping and electronics

Geometry Lab

- Wrote a Python script to create a course blog with over 70 entries by interfacing with the Medium API, maintained integrity of follow-up content

FREELANCE PRODUCT DESIGNER

Worked with clients on unique web, user interface (UI), and front-end solutions

NEW YORK, NY
APRIL 2016 — SEPTEMBER 2017

Worldstudio

- Developed graphic elements in Adobe suite (logos, color scheme, and poster layouts) for AMPLIFY – a public art initiative on social justice
- Made the [AMPLIFY website](#) from scratch using HTML, CSS, JavaScript and Jekyll. Upon completion, integrated the website with a CMS (CloudCannon)
- Drafted and revised grant proposals

rabble

- Made rabble's first website using a combination of a Wordpress theme, HTML and CSS

MoneyMio

- Created desktop and mobile layouts (Adobe Photoshop and Illustrator) for MoneyMio's financial literacy tool and consulted on a number of UX matters

GENERAL ASSEMBLY

Data Analyst

NEW YORK, NY
APRIL 2014 — MAY 2016

- Responded to organizational data requests by making tools reliant on: SQL queries, light python schema modifications, and Looker reports (YAML-based analytics platform)
- Constructed Business Intelligence dashboards (mainly Google Sheets, with some scripting) for global sales goals, space utilization and marketing targets
- Spearheaded systems migrations within Finance (Excel to Adaptive Insights) for headcount, cost of goods, and revenue forecasting tools

ASCENT CONTEMPORARY PROJECTS

Co-Founder/Product Lead

NEW YORK, NY
APRIL 2013 — APRIL 2016

- Curated six gallery exhibitions 2014-2015
- Selected as a top-ten finalist in the New York StartUP! 2013 Business Plan Competition
- Designed and built company website by altering the CSS, jQuery, and PHP of a Wordpress template

PROJECTS

How to Make Something that Makes (almost) Anything

Machine building class: [project website](#)

AUGUST 2016 — MAY 2018

A sequel to How to Make (almost) Anything requiring students to make a machine that makes

Laboratory Electronics

Lab-intensive course taught by the author of Learning the Art of Electronics

Through hands-on prototyping the class was split in half analog, half digital material and culminated with building a computer (programmable in assembly)

Introduction to Computational Design

An open ended-programming course (Rhinoceros and Grasshopper, C#) with a strong gaming focus: [final project](#)

How to Make (almost) Anything

Digital fabrication class: [project website](#)

Every week served as a demonstration of a new skill such as producing parametric models in CAD (Rhinoceros and Grasshopper), electronics design and programming (Arduino IDE / C), composites, molding and casting, operation of a CNC mill (Mastercam), 3D printing

EDUCATION

HARVARD UNIVERSITY GRADUATE SCHOOL OF DESIGN

Master in Design Studies, Technology

CAMBRIDGE, MA
MAY 2018

- Served as President of Code Without Frontiers — a volunteer collective focused on providing fellow students with technical aid [Spring 2017]
- Taught Processing I & II workshops [Spring 2018]

GENERAL ASSEMBLY

Part-time courses: JavaScript Development, Visual Design, Data Science, and User Experience Design

NEW YORK, NY
OCTOBER 2014 — JULY 2016

BARUCH COLLEGE, CITY UNIVERSITY OF NEW YORK

Bachelor of Business Administration, Magna cum laude

NEW YORK, NY
MAY 2013

ETCETERA

- **Languages:** fluent Russian, vestiges of French and Spanish
- **Pastimes:** surfing, sailing, eating, art

EXPERIENCE PRIOR TO 2013 AVAILABLE UPON REQUEST