

# ELLIE FRYMIRE

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Driven and accomplished developer in San Francisco, expert at creating interactive data visualizations with d3.js. Startup experience; strong consulting background; effective speaker; passionate creative; analytical thinker; terrible cook.

## EXPERIENCE

### Atom Finance, Senior Data Visualization Engineer

(REMOTE) JAN 2022 - PRESENT

Specialist engineer driving series B startup's "mission critical" B2B project building a library of visualizations (as web components) of atom's financial data. Responsibilities include:

- Research and development of HTML web component technology in early 2023.
- Owning the product ideation, design, and development of every component.
- Running technical demos in sales calls of these components as a solutions engineer.
- Manage a team of 2, teaching data visualization coding strategies and overseeing all development in the component library.

*Tech stack: Stencil.js, Storybook, React, Typescript, Node.js, d3.js, Figma, GraphQL, AWS, Swift.*

### Two-N, Head of Development

(NEW YORK, NY) MAY 2021 - JAN 2022

Managing and directing a team of 3+ developers. Responsibilities include:

- Involvement in all projects in the studio, from discovery, to build, to final delivery.
- Overseeing growth of the development team, from novice to experienced developers.
- Advising all organizational project management from a technical perspective, including client communications, scoping/estimations, resources, budgets, ticket management.

### Two-N, Data Visualization Developer

(NEW YORK, NY) MAY 2019 - MAY 2021

Designing and developing bespoke web based data visualizations for various clients. Typical projects range from simple static representations to complete interactive app development with API connections visualizing real time data. Responsibilities include:

- Designing visualizations to either (1) communicate a story through intentional data presentation ("narrative") or (2) present data without agenda ("exploratory").
- Creating visualizations via a framework or pure vanilla JS, using d3.js to create HTML elements, styled by CSS/SCSS. Also fluent p5.js, canvas, python, and more.

Clients include several non-profits, ad agencies, broadcasting companies, financial institutions, and many more. Projects can be explored online at [two-n.com](http://two-n.com).

*Tech stack: React, Vue.js, Next.js, Node.js, Typescript, d3.js, p5.js, Redux, Express, WebPack, AWS (EC2, S3, RDS, Lamda, etc), Adobe Illustrator, Python.*

more experiences ↓

## SKILLS

Data visualization development

Data visualization design

Presentations and sales

Early product development

Web development

Research and development

## TECHNOLOGIES

[Key: **bold** implies expert]

LANGUAGES : **JavaScript**,

**Node.js**, **Typescript**,

**HTML/XML**, **CSS**, SCSS, Python.

LIBRARIES : **d3.js**, **Storybook**,

p5.js, moment.js.

FRAMEWORKS : **React**, Next.js,

Vue.js, Svelte.

BUNDLERS : Webpack, Parcel.

DATA: WebSockets, REST API,

GraphQL, Postgres.

PROGRAMS : **Figma**, Adobe Suite

(Illustrator, Photoshop, XD),

Microsoft Suite, **VS Code**,

Postman, TablePlus.

## EDUCATION

**M.S. Data Visualization**,

Parsons School of Design,

May 2018, New York, NY

**B.S. Mathematics**,

**Minor in Business**,

Villanova University, May 2013,

Villanova, PA

## **Deloitte Consulting, Technology Consultant**

(NEW YORK, NY) SEPT 2013 - MAY 2017

Client facing consultant on a range of clients and projects. Notable experiences include:

*Top US Food Distributor* | Strategic pricing product development

- Built interactive Tableau dashboards using real time advanced analytics and strategic design elements
- Transformed messy data into an executive overview that clearly illuminated the highest-impact sales opportunities

*XPRIZE Foundation* | Pro-bono business transformation

- Restructured XPRIZE's fundraising process, increasing revenue by \$3.5M in one year
- Designed effective and appealing communications for stakeholders and tailored professional quality marketing materials targeting investors

*Top Global Retailer* | Landmark SAP implementation

- Led supplier data work thread for a supply chain implementation, spearheading new data capture and organization
- Synthesized and visualized key insights for project executives, directly shaping program priorities and strategy

*Tech stack: PowerPoint, Excel, Tableau.*

## TEACHING + PUBLIC SPEAKING

### **CUNY, Adjunct Lecturer (2 courses)**

JAN 2020 - PRESENT

Built an entire curriculum from the ground up for two classes, *Interactive Data Visualization* and *Interactive Data Visualization Studio*. Students must complete comprehensive technical tutorials in d3.js, design-based readings, and ethical critiques of effective data visualization, and in the studio course, complete an entire project over the course of a semester.

### **EYEO Festival, Lightning Speaker**

MAY 2019

Selected as a lightning talk speaker for the EYEO festival, a "gathering for the creative technology community". Spoke about my #metoo thesis project: discussing how machine learning can help us understand and visualize concepts.

### **Antenna Speaker, Global Graduates**

NOV 2018, MAR 2019

Selected as one of 20 graduates from around the world presenting ideas that "will shape the future". Presented my graduate thesis in front of hundreds, then thousands, of conference attendees during Dutch Design Week and at the Design Indaba conference in South Africa.