Madeleine Eve Filloux

Data Experience Developer

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Work Experience

Data Visualization Engineer

Gantry Systems, Inc. 🏢
San Francisco, CA 📍

Develop products for ML observability, large language model (LLM) evaluations, and conversational AI agents. Build reusable data visualization components using TypeScript, React, D3.js, and Storybook. Lead AI agent analytics project involving monitoring agent performance via an interactive dashboard of prompt-based and deterministic metrics.

Lead Data Visualization Engineer
Senior Data Visualization Engineer

GoodLeap 🏢
San Francisco, CA 📍

Architected and developed a custom business intelligence web app with Vue, Cube.js, and Databricks. Led team of engineers through process improvements while migrating dashboards from a legacy PHP codebase to the new stack. Collaborated with stakeholders and end users to design novel visualizations.

Senior Visualization Engineer
Data Discovery-Visualization Engineer

Land O'Lakes, Inc. 🏢
Arden Hills, MN 📍

Analyzed, transformed, and visualized data across domains, including marketing, sustainability, finance, and supply chain. Led data viz and user experience strategy for Truterra division.

Data Visualization Engineer
Corporate R&D Intern

3M 🏢
Saint Paul, MN 📍

Designed data-driven software products through user research, ideation, wireframing, prototyping, and user testing.

High Throughput Screening Technician

MIT, Koch Institute 🏢
Cambridge, MA 📍

Set up new lab facility and its standard operating procedures. Analyzed large datasets from high throughput experiments.

Leadership

Mentor, 2023 - present 👥
Data Visualization Society Mentorship Program

Communications Lead, 2015 - 2019 👥
Brown University Club of Minnesota Leadership Team

(Timeline: 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022)

Teaching Experience

Adjunct Faculty

🏛 University of St. Thomas
📍 Saint Paul, MN

Taught Data Analytics & Visualization (SEIS 632) to graduate students. Topics included data preparation and segmentation, predictive analytics, and visualization design principles.

Instructor

🏛 University of Minnesota
📍 Saint Paul, MN

Taught 24-week intensive Data Visualization and Analytics Boot Camp, covering Python, SQL, JavaScript, D3.js, and Tableau.

Education

University of Minnesota

🎓 Certification in Full Stack Web Development
📍 Saint Paul, MN

University of Michigan

🎓 Master of Science in Information, GPA 3.98
🏆 Pao Memorial full tuition merit scholarship
📍 Ann Arbor, MI

Specialized in Human Computer Interaction and Information Analysis and Retrieval.

Brown University

🎓 Bachelor of Science, GPA 3.92
🏆 Magna cum laude, Phi Beta Kappa, Sigma Xi
📍 Providence, RI

Concentrated in Applied Mathematics - Biology with honors thesis: "Identifying deleterious mutations in non-coding elements in the genome."

Skills

🥧 Data Visualization
- D3.js
- Microsoft Power BI
- Tableau

✂ UX & Design
- Wireframing/Prototyping
- Adobe Creative Suite
- User Research

</> Web Development
- JS Frameworks (Vue/React)
- HTML/CSS
- Node.js
- AWS

📈 Data Analysis
- SQL
- Databricks
- Python
- R