Madeleine Eve Filloux

Data Experience Developer

📱 (801) 598-4874   ✉ mfilloux@gmail.com   🔗 datananda.com   github.com/datananda

Experience

Senior Visualization Engineer
Data Discovery-Visualization Engineer
Land O'Lakes, Inc., IT Data & Analytics 🏢
Arden Hills, MN 📍

Deliver data-driven reporting solutions for business users, including unifying marketing data to a single platform, creating reporting strategy for new SUSTAIN division, and providing visibility to critical pricing & profitability decisions.

Data Visualization Instructor
University of Minnesota 🏢
Saint Paul, MN 📍

Taught 24 week intensive Data Visualization and Analytics Boot Camp. Languages covered include VBA, Python, SQL, HTML, CSS, and JavaScript.

Data Visualization Engineer
3M, Corporate R&D 🏢
Saint Paul, MN 📍

Consulted with 3M business divisions to develop data-driven user interfaces and visualizations for software products. Process includes user research, ideation, visualization design and development, data analysis, and user testing.

Information Visualization Teaching Assistant
University of Michigan, School of Information 🏢
Ann Arbor, MI 📍

Developed rubrics, graded assignments, and delivered feedback to students in the master's course InfoVis (SI649).

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.

Awards

IT Excellence: Change Champion, 2017 🏆
Land O'Lakes IT

Going the Extra Mile Award, 2016 🏆
3M Software Electronic Mechanical Systems Group

Judges' Choice Award, 2016 🏆
Geo:Code Hackathon

Phi Beta Kappa & Sigma Xi Societies, 2011 🏆
Brown University

Timeline: 2019 2018 2017 2016 2015 2014 2013 2012 2011

Education

University of Minnesota
🎓 Certificate 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 and honors
📍 Providence, RI

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

Leadership

👥 **Communications Lead, 2015 - present**
Brown Club of Minnesota Leadership Team

👥 **United Way Campaign Leader, 2016**
3M Software Electronic Mechanical Systems Group

👥 **President, 2014 - 15**
Ella Baker Graduate Student Cooperative

Skills

📊 Data Visualization
Microsoft Power BI
D3.js
Tableau

📈 Data Analysis
SQL
Python
R

🛠 Design
Adobe Creative Suite
Axure RP
Drawing

</> Web Development
HTML / CSS
JavaScript
React
Node.js
MongoDB

👤 User Research
Usability Testing
Survey Development
Heuristic Analysis
Contextual Inquiry