Madeleine Eve Filloux

Data Experience Developer

 Saint Paul, MN   mfilloux@gmail.com   (801) 598-4874

Experience

Data Discovery-Visualization Engineer

Land O'Lakes, Inc., IT Business Intelligence

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 Engineer

3M, Corporate R&D

Saint Paul, MN

Consult 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.

InfoVis 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).

Business Intelligence Intern

General Electric, Aviation

Van Buren Township, MI

Designed proof of concept for business intelligence tools to meet data analysis needs. Wrote user manual and conducted trainings for internal reporting software.

High Throughput Screening Technician

MIT, Koch Institute

Cambridge, MA

Set up new lab facility and developed standard operating procedures. Collected and analyzed large datasets from high-throughput biologic 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

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 / jQuery
Node.js
React
Java

User Research
Usability Testing
Survey Development
Heuristic Analysis
Contextual Inquiry

Timeline: 2018 2017 2016 2015 2014 2013 2012 2011