

Corinne Bintz

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EDUCATION

Middlebury College

GPA: 3.98/4.0; *Bachelor of Arts*, Computer Science; minor in Global Health

Relevant Coursework: *Computer Science:* Machine Learning, Information Visualization, Data Structures, Introduction to Data Science, Algorithms and Complexity, Computer Architecture, Math Foundations of Computing, Introduction to Computing. *Economics:* Health Economics and Policy, Economic Statistics, Microeconomics.

Middlebury, VT
Feb 2017-Feb 2021

DIS Stockholm

GPA: 4.0/4.0; *Core Course:* Public Health and Migration

Stockholm, Sweden
Jan-May 2019

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, MATLAB, JavaScript, R, MySQL, C, Stata

Other: Machine Learning Algorithm Implementation (Neural Networks, K-means, Multivariate Linear Regression, Logistic Regression, SVMs), Machine Learning Frameworks (PyTorch, SciPy, NumPy, scikit-learn), D3.js, Altair, Git, pandas, Docker, Dash, Unix Shell Scripting, Liquibase, Agile Software Development, Web scraping (Beautiful Soup, Selenium), Tableau

WORK EXPERIENCE

University of Washington eScience Institute Data Science for Social Good Program

Student Fellow: Algorithmic Equity Toolkit Project

Seattle, WA
June-Aug 2019

- Developed an interactive toolkit in partnership with the American Civil Liberties Union for identifying and auditing automated decision-making and predictive technologies to promote community oversight of public sector surveillance.
- Utilized Dash, Docker, and OpenFace (open source facial recognition) to build an interactive demo displaying the potential failure modes and risks of facial recognition technology.
- Involved stakeholder engagement, rapid prototyping, competitive analysis, machine learning impact assessments, user personas, human-centered and participatory design, and an extensive literature review of surveillance, tech policy, and algorithmic bias.

myStrength: Digital Behavioral Health

Software Engineer Intern

Denver, CO
May-Aug 2018

- Contributed to native cross-platform mobile development in C# using the Xamarin framework.
- Developed server-side features, specifically for the mobile application, written in Java.
- Employed MySQL to write queries and Liquibase for data migrations.

Middlebury College Department of Computer Science

Computer Science Tutor: Data Structures, Introduction to Computing

Middlebury, VT
Feb 2018-Present

- Tutor students during labs and evening group sessions, helping them debug their code and understand concepts.

Girls Who Code

Teaching Assistant and Club Co-Founder

Middlebury, VT
Oct 2017-May 2018

Middlebury College Department of Economics

Research Assistant for Professor Caitlin Knowles Myers

Middlebury, VT
Oct 2017-Jan 2018

- Researched state abortion mandatory delay laws from 1980-present.

Middlebury College Center for Teaching and Learning

Spanish Tutor

Middlebury, VT
Sep 2017-May 2018

TECHNICAL PROJECTS

[A Sequence For Survival:](#) Used unsupervised agglomerative clustering to select a subset of genes for Lung Adenocarcinoma, and then trained a neural network to predict survival.

[Maternal Mortality in the United States:](#) Narrative visualization displaying racial disparities in maternal and infant mortality.

[Vermont Health Disparities:](#) Interactive Vermont maps showing maternal and child health needs and resources gaps.

[Information Visualization Projects](#)

[Machine Learning Projects](#)

ACTIVITIES, LEADERSHIP & AWARDS

AnitaB Grace Hopper Celebration 2018 scholarship recipient and attendee, WECODE 2018 attendee, Women in Computer Science: *Secretary*, Middlebury Women's Water Polo, Middlebury College Scholar, MiddVolunteers: *Treasurer*, MiddView Orientation Wilderness Leader, Middlebury February Orientation Leader