Corinne Bintz

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EDUCATION

Middlebury College Middlebury, VT
GPA*:* 3.98/4.0; *Bachelor of Arts,* Computer Science; minor in Global Health Feb 2017-Feb 2021
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.

DIS Stockholm Stockholm, Sweden
GPA: 4.0/4.0; *Core Course*: Public Health and Migration 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 Seattle, WA
Student Fellow June 2019-Present

- Developed an algorithmic equity toolkit in partnership with the ACLU to empower community organizations to better understand algorithmic bias, surveillance technology, and machine learning testing for enhanced activism.
- Utilized Dash, Docker, and OpenFace (open source facial recognition) to build an interactive demo displaying the potential harms of facial recognition technology.
- Involved stakeholder engagement, low-fidelity prototype creation, user persona formation, and human-centered design.

myStrength: Digital Behavioral Health Denver, CO
Software Engineer Intern 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 Middlebury, VT
Computer Science Tutor: Data Structures, Introduction to Computing Feb 2018-Present

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

Girls Who Code Middlebury, VT
Teaching Assistant and Club Co-Founder Oct 2017-May 2018

Middlebury College Department of Economics Middlebury, VT
Research Assistant for Professor Caitlin Knowles Myers Oct 2017-Jan 2018

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

Middlebury College Center for Teaching and Learning Middlebury, VT
Spanish Tutor 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