Corinne Bintz

(360) 977-0029 | corinnebintz@gmail.com | [GitHub](#) | [LinkedIn](#) |[Personal Website](#)

EDUCATION

Middlebury College   Middlebury, VT
GPA: 3.96/4.0; *Bachelor of Arts,* Computer Science; minor in Global Health   Feb 2017-Feb 2021
Related Coursework: *Computer Science*: Machine Learning, Information Visualization, Data Science, *Economics*: Health Policy and Economics, Economic Statistics *Global Health*: Global Health, Medical Anthropology, Social Entrepreneurship and Global Health

Study Abroad: DIS Stockholm   Stockholm, Sweden
GPA: 4.0/4.0; *Public Health Coursework*: Public Health and Migration, Epidemiology, Public Health Policy in Practice   Jan-May 2019

RELATED WORK EXPERIENCE

Harvard Medical School Summer Institute in Biomedical Informatics   Cambridge, MA
Research Fellow   June 2020-Present
- Investigating the relationship between health spending and rates of multidrug resistant tuberculosis over time
- Developed data visualizations and machine learning pipelines for tuberculosis genomic data on the Farhat Lab's web tool

Andean Alliance for Sustainable Development   Calca, Cusco, Peru
Community Development Intern   January 2020
- Investigated perceptions and realities of indigenous women's contribution to community development in the Sacred Valley

Porter Medical Center   Middlebury, VT
Student Consultant   Sep-Dec 2019
- Determined opioid dependence interventions in Addison County through a community-connected academic project

University of Washington eScience Institute Data Science for Social Good Program   Seattle, WA
Student Fellow: Algorithmic Equity Toolkit Project   June-Aug 2019
- Developed a toolkit in partnership with the American Civil Liberties Union to audit automated decision-making technologies

Green Mountain Care Board: Health Resource Allocation Plan   Middlebury, VT
Student Consultant   Sep-Dec 2018
- Researched maternal and child health needs and resources through a community-connected academic project

DIS Stockholm Research Project: HIV and Assisted Reproductive Technology Access   Stockholm, Sweden
Research Assistant for Dr. Rachel Irwin   Jan-May 2019
- Created and administered a survey regarding clinics' policies regarding providing services to people living with HIV

ACTIVITIES, LEADERSHIP & AWARDS

Middlebury Global Health Program Student Advisory Committee, 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

TECHNICAL HEALTH-RELATED RESEARCH PROJECTS

[Vermont Health Disparities](#): Interactive Vermont maps showing maternal and child health needs and resource gaps
[Maternal Mortality in the United States](#): Narrative visualization displaying racial disparities in maternal and infant mortality
[A Sequence for Survival](#): Clustered to select a subset of genes and trained a neural network to predict survival of lung cancer
[Health and Income](#): Interactive graphs showing the relationship between health outcomes, access to care, insurance, and income

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, MATLAB, JavaScript, R, MySQL, C, Stata
Other: PyTorch, SciPy, NumPy, scikit-learn, R Shiny, D3.js, Git, pandas, Dash, Agile Software Development, Tableau, Django

PUBLICATIONS & CONFERENCE PRESENTATIONS

- Katell, M., Young, M., Herman, B., & Dailey, D., **Bintz, C**., Guetler, V., Raz, D., & Tam, A, *"Towards Situated Interventions for Fairness, Accountability, and Transparency: Lessons from the Field"* Paper presented at 2020 ACM Conference on Fairness, Accountability, and Transparency; 2020 Jan 27-30; Barcelona, Spain
- Katell, M., Young, M., Herman, B., & Dailey, D., **Bintz, C**., Guetler, V., Raz, D., & Tam, A, *"A Toolkit for Algorithmic Equity and Community Empowerment"* Poster presented at iConference – Sustainable Digital Communities; 2020 Mar 23-26; Borås, Sweden