

# Mikhaila Friske

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## EDUCATION

- current* **Ph.D. in Information Science, University of Colorado**
- Advised within the Unstable Design Lab led by Laura Devendorf through the Department of Information Science.
- 2017 **Bachelors of Arts in Computer Science, University of Minnesota**
- Honors Thesis: My Perception, Your Perception: Platform, Audience, Community, and Individual Motivators on Event Sharing.
  - German minor with LPE Certification.
  - Graduated with distinction, magna cum laude.
- 2016 **Study abroad at the University of Freiburg, Germany**

## PUBLICATIONS

*Archival Scientific Proceedings* Casey Fiesler, **Mikhaila Friske**, Natalie Garret, Felix Muzny, Jessie J. Smith, and Jason Zietz. 2021. Integrating Ethics into Introductory Programming Classes. In *Proc. SIGCSE 2021*. New York, NY, USA. [note: authors listed in alphabetical order]

**Mikhaila Friske**, Jordan Wirfs-Brock, and Laura Devendorf. 2020. Entangling the Roles of Maker and Interpreter in Personal Data Narratives: Explorations in Yarn and Sound. In *Proc. DIS 2020*. Held virtually. **Best Paper Honorable Mention Award** [24% acceptance rate]

Natalie Garrett, **Mikhaila Friske**, and Casey Fiesler. 2020. Ethics from the Start: Exploring Student Attitudes and Creating Interventions in Intro Programming Classes. In *Proc. SIGCSE 2020*. New York, NY, USA. [31% acceptance rate]

**Mikhaila Friske**, Shanel Wu, Laura Devendorf. 2019. AdaCAD: Crafting Software for Smart Textiles Design. *Proc. CHI 2019*. Glasgow, UK. **Best Paper Honorable Mention Award** [24% acceptance rate]

## ATTENDED WORKSHOPS

*Workshop Papers* **Mikhaila Friske**. Can Computational Craft Also Be Queer Craft?. Presented at CHI 2019 Workshop, *Troubling Innovation: Craft and Computing Across Boundaries*. Glasgow, UK, May 4, 2019.

## ACADEMIC EXPERIENCE

- Summer 2020* **Graduate Student Instructor (INFO 1121)** - Boulder, CO  
Developed a remote version of INFO 1121 for a 10-week session. Designed asynchronous activities that took into account the global pandemic.
- Aug 2018 - Dec 2020* **Graduate Teaching Assistant (INFO 1201, 4 terms)** - Boulder, CO  
Teaching assistant for Computational Reasoning I, taught using Python programming language. Led two recitation sections every week per term, working as a supplement to lectures to help aid the understanding of programming basics. Created Python resources as additional material for students to review.
- May 2018 - Present* **Graduate Research Assistant (with Dr. Laura Devendorf)** - Boulder, CO  
Developing a CAD tool for design smart woven textiles, AdaCAD. Conducted and analyzed interviews with experts in smart textiles to learn more about their practice.  
Source Code: <https://github.com/UnstableDesign/AdaCAD-weaver>  
Technical Skills: Angular, Typescript, Git

## INDUSTRY EXPERIENCE

- Summer 2019* **Web Developer Consultant, Cycling '74** - Boulder, CO  
Developed the groundwork for a shared component library for the company website and applications. Built the initial components needed to create a flexible, extendable, and themeable library. Provided documentation and organization of components to allow for ease of use and growth of the library.  
Technical Skills: React, Styled System, Javascript, Git
- Sep 2014 - May 2018* **Student Web Developer, Student Unions & Activities** - Minneapolis, MN  
Worked on the development of public facing websites for large-scale university events (Homecoming and Spring Jam), Student Union sites, and organizational sites hosted by Student Unions and Activities.  
Technical Skills: Flask, Django, Wagtail, Angular, Firebase, Python, Typescript, Git
- Summer 2017* **Software Engineer Intern, Kohl's Department Stores** - Milwaukee, WI  
Collaborated with Merchandising IT team using Agile methodologies to design and develop web applications to streamline and boost business-side marketing processes.  
Technical Skills: Jira, Angular, Typescript, Spring Boot, Java, SQL, Git

## CAMPUS TALKS

**Mikhaila Friske.** 2019, 2020. Data-Inspired Visualizations. In *Introduction to Information Science: Understanding the World Through Data Course*

## SERVICE

*Reviewing* ACM Conference on Designing Interactive Systems (2019)  
ACM International Conference on Tangible, Embedded and Embodied Interaction (2020)  
ACM Conference on Human Factors in Computing Systems (2021)