

Education

- 2019 – Present **Master of Science in Computer Science – University of British Columbia**
PhD Track Master degree; Focus in Information Visualization
- 2011–2016 **Bachelor of Science in Informatics – University of Washington**
Focus in Human-Computer Interaction

Employment

- 2018–2019 **Research Developer – Computer Science & Engineering, Northwestern University**
Advisor: Jessica Hullman, Lab: Midwest Uncertainty Collective

Assistantships and Internships

- 2019 – Present **Graduate Research Assistant – InfoVis Group, University of British Columbia**
Supervisor: Tamara Munzner
- 2016–2018 **Research Assistant – UW DataLab, University of Washington**
Supervisor: Jessica Hullman
- Design and developed experiment systems, interfaces, and studies for the visualization group, including Atlas of Me, Comprehension of Measurements and experiments evaluating different methods of visualizing uncertainty.
- Summer 2014 **Associate Application Developer Intern – Workday Inc.**
Supervisor: Brad Hoyle
- Managed, wrote/exposed APIs in Workday's dev framework to extend functionality of External Career Site tools

Publications



Accepted Papers

2020

Exploring the Effects of Aggregation Choices on Untrained Visualization Users' Generalizations From Data

Francis Nguyen, Xiaoli Qiao, Jeffrey Heer, Jessica Hullman

Computer Graphics Forum 2020

2019

Belief-Driven Data Journalism

Francis Nguyen, Samana Shrestha, Joe Germuska, Yea-Seul Kim, Jessica Hullman

Computation+Journalism Symposium 2019

2018

Hypothetical Outcome Plots Help Untrained Observers Judge Trends in Ambiguous Data

Alex Kale, Francis Nguyen, Matthew Kay, Jessica Hullman

IEEE Transactions on Visualization and Computer Graphics (proc. InfoVis '18)

2018

Improving Comprehension of Measurements Using Concrete Re-expression Strategies

Jessica Hullman, Yea-Seul Kim, Francis Nguyen, Lauren Speers, Maneesh Agrawala

ACM CHI 2018: Conf. on Human Factors in Computing Systems

Teaching



at the University of British Columbia Computer Science

Winter 2020

CPSC 221: Basic Algorithms and Data Structures

Professor: Cinda Heeran, Geoffrey Tien, Andy Roth. Students: 50 in labs

Taught course material for weekly labs and led weekly programming labs, marked

Fall 2019

CPSC 344: Introduction to Human Computer Interaction Methods

Professor: Dongwook Yoon & Karon Maclean. Students: 120

Led weekly group critiques, mentored student groups step by step through the iterative design process, marked, covered some lectures



at Northwestern University Computer Science

Spring 2019

CS 496: Interactive Information Visualization

Professor: Jessica Hullman. Students: 30

Provided feedback for technical projects, ran labs, marked, covered a few lectures and technical tutorials



at the University of Washington iSchool

Winter 2016

Info 474: Interactive Information Visualization

Professor: Jessica Hullman. Students 26

Provided feedback for technical projects, mentored students one-on-one, ran labs, marked, covered some lectures