

Education

- 2019 – **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
- 2010–2011 **Transition School – Robinson Center for Young Scholars, University of Washington**
One-year college preparatory program for students younger than fifteen (15) intending to enter the Early Entrance Program at the University of Washington.

Employment

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

Assistantships and Internships

- 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

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

Submitted Papers Under Peer-Review

2019 **Visualization Aggregation Choices Impact Untrained Users' Confidence and Sensitivity to Effect Size**

Francis Nguyen, Xiaoli Qiao, Jeffrey Heer, Jessica Hullman
Computer Graphics Forum 2019

Teaching

at the University of British Columbia Computer Science

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