

## EDUCATION

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**University of Michigan** **Ann Arbor, MI** **September 2018 – Present**

- **Ph.D. in Information Science**
- **Research area:** Human-Computer Interaction
- **Advisors:** Steve Oney and Christopher Brooks

**Simon Fraser University** **Burnaby, Canada** **September 2016 – July 2018**

- **Master of Science in the School of Computing Science**
- **Research area:** Human-Computer Interaction
- **Master Thesis:** Investigating Learning Strategies for Conversational Programmers
- **Advisor:** Parmit Chilana

**Zhejiang University** **Hangzhou, China** **September 2013 – July 2016**

- Bachelor of Engineering in the College of Computer Science
- Major: Digital Media Technology
- Qizhen Class in Chu Kochen Honors College
- 8 months exchange experience to Simon Fraser University

## PROFESSIONAL EXPERIENCE

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**Microsoft Research** **Redmond, WA** **May 2021 – August 2021**

- **2021 Research Summer Intern — Visualization and Interactive Data Analytics Group (MSR-VIDA)**
- **Mentors:** Steven Drucker and Rob DeLine

**IBM Research** **Cambridge, MA** **June 2020 – August 2020**

- **2020 Research Summer Intern — AI Experience**
- **Mentors:** Dakuo Wang and Michael Muller

## HONORS AND AWARDS

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|---------------------------|---|
| <b>2020 Academic Year</b> | <b>Best Short Paper Award</b><br>The IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2020)<br><b>Honourable Mention Award</b><br>The ACM CHI Conference on Human Factors in Computing Systems (CHI 2020, top 5%)                                 |
| <b>2019 Academic Year</b> | <b>Best Paper Award</b><br>The ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2019, top 2%)<br><b>UMSI Pre-candidacy Project Milestone Distinction Award</b><br>Awarded by the University of Michigan School of Information (top 10%) |
| <b>2018 Academic Year</b> | <b>Honourable Mention Award</b><br>The ACM CHI Conference on Human Factors in Computing Systems (CHI 2018, top 5%)<br><b>Computing Science Graduate Fellowship</b><br>Awarded by Simon Fraser University  |
| <b>2016 Academic Year</b> | <b>Computing Science Graduate Fellowship</b><br>Awarded by Simon Fraser University  |

<b>2015 Academic Year</b>	<b>Fellowship for Internship (Second Place)</b> Awarded by Zhejiang University
<b>2014 Academic Year</b>	<b>Fellowship for Academic Performance (Third Place)</b> Awarded by Zhejiang University

## PUBLICATIONS

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### Heavily-reviewed Conference Papers (C)

- C.8 David Piorkowski, Soya Park, **April Y. Wang**, Dakuo Wang, Michael Muller, and Felix Portnoy. **How AI Developers Overcome Communication Challenges in a Multidisciplinary Team: A Case Study** *Proceedings of the ACM : Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing (CSCW 2021)*, to appear
- C.7 Soya Park, **April Y. Wang**, Ban Kawas, Q. Vera Liao, David Piorkowski, and Marina Danilevsky. **Facilitating knowledge sharing from domain experts to data scientists for building NLP models** *Proceedings of the 26th International Conference on Intelligent User Interfaces (IUI 2021)*, to appear
- C.6 🏆 Yan Chen, Jaylin Herskovitz, Gabriel Matute, **April Wang**, Sang Won Lee, and Steve Oney. **EdCode: Towards Personalized Support at Scale for Remote Assistance in CS Education.** *Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2020)* [Best Short Paper Award]
- C.5 🏆 **April Y. Wang**, Zihan Wu, Christopher Brooks and Steve Oney. **Callisto: Capturing the "Why" by Connecting Conversations with Computational Narratives.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2020)* [Honourable Mention Award, top 5%]
- C.4 🏆 **April Y. Wang**, Anant Mittal, Christopher Brooks and Steve Oney. **How Data Scientists Use Computational Notebooks for Real-Time Collaboration.** *Proceedings of the ACM : Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing (CSCW 2019)* [Best Paper Award, top 2%]
- C.3 **April Y. Wang** and Parmit K. Chilana. **Designing Curated Conversation-Driven Explanations for Communicating Complex Technical Concepts.** *Proceedings of the IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2019)*
- C.2 🏆 **April Y. Wang**, Ryan Mitts, Philip J. Guo and Parmit K. Chilana. **Mismatch of Expectations: How Modern Learning Resources Fail Conversational Programmers.** *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2018)* [Honourable Mention Award, top 5%]
- C.1 Laton Vermette, Shruti Dembla, **April Y. Wang**, Joanna McGrenere and Parmit K. Chilana. (2018) **Social CheatSheet: An Interactive Community-Curated Information Overlay for Web Applications.** *Proceedings of the ACM: Human-Computer Interaction (1,1), Computer-Supported Cooperative Work and Social Computing (CSCW 2018)*

### Refereed Posters (P), Workshops (W), and Doctoral Consortiums (D)

- P.4 **April Y. Wang**, Dakuo Wang, Jaimie Drozdal, Xuye Liu, Soya Park, Steve Oney and Christopher Brooks. (2021) **What Makes a Well-Documented Notebook? A Case Study of Data Scientists' Documentation Practices in Kaggle.** *In CHI Conference on Human Factors in Computing Systems Extended Abstracts (CHI '21 Extended Abstracts)*
- W.3 Michael Muller, **April Yi Wang**, Steven I. Ross, Justin D. Weisz, Mayank Agarwal, Kartik Talamadupula, Stephanie Houde, Fernando Martinez, John Richards, Jaimie Drozdal, Xuye Liu, David Piorkowski and Dakuo Wang. (2021) **How Data Scientists Improve Generated Code Documentation in Jupyter Notebooks** *Workshop on*

W.2 **April Y. Wang**, Steve Oney and Christopher Brooks. (2019) **Redesigning Notebooks for Data Science Education**. *Workshop on Human-Centered Study of Data Science Work Practices at ACM Conference on Human Factors in Computing Systems (CHI 2019)*

P.1 **April Y. Wang** and Parmit K. Chilana. (2017) **Investigating Learning Strategies of Conversational Programmers**. *International Conference on Computing Education Research (ICER 2017)*

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#### ACADEMIC SERVICE

**Program Committee** CHI LBW'21, AIED'20

**Reviewer** CSCW'21, CHI'21 ☞, UIST'20, VL/HCC'20, CSCW'20 ☞, CHI'20 ☞, CSCW'19, CHI'19, TEI'19, AIED'19

— ☞ *Special Recognitions for Outstanding Reviews*

**Student Volunteer** CHI'21, UIST'20 (publicity team), CHI'19

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#### STUDENTS MENTORED

- Zihan Wu, undergraduate summer intern student, Tsinghua University, 2019
- Natalie Gross, BSI student, University of Michigan, 2018
- Jamie Neumann, BSI student, University of Michigan, 2018
- Rebecca Parada, BSI student, University of Michigan, 2018
- Ryan Mitts, Undergraduate student, Simon Fraser University, 2017

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#### TEACHING EXPERIENCE

- Graduate Student Instructor, SI579 Building Interactive Applications, Winter 2021, University of Michigan
- Teaching Assistant, CMPT363 User Interface Design, Spring 2017, Simon Fraser University
- Teaching Assistant, CMPT363 User Interface Design, Spring 2018, Simon Fraser University