

EDUCATION

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

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

GRANTS AND HONORS

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|---------------------------|---|
| 2021 Academic Year | Rackham Graduate Student Research Grant (\$1,500)
Awarded by the Rackham Graduate School, University of Michigan |
| 2020 Academic Year | Best Short Paper Award
The IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2020)
Honourable Mention Award
The ACM CHI Conference on Human Factors in Computing Systems (CHI 2020, top 5%) |
| 2019 Academic Year | Best Paper Award
The ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2019, top 2%)
UMSI Pre-candidacy Project Milestone Distinction Award
Awarded by the University of Michigan School of Information (top 10%) |
| 2018 Academic Year | Honourable Mention Award
The ACM CHI Conference on Human Factors in Computing Systems (CHI 2018, top 5%)
Computing Science Graduate Fellowship |

	Awarded by Simon Fraser University
2016 Academic Year	Computing Science Graduate Fellowship Awarded by Simon Fraser University
2015 Academic Year	Fellowship for Internship Awarded by Zhejiang University
2014 Academic Year	Fellowship for Academic Performance Awarded by Zhejiang University

PUBLICATIONS

Heavily-reviewed Conference Papers (C)




- C.10 **April Y. Wang**, Yan Chen, John Chung, Christopher Brooks, and Steve Oney. **PuzzleMe: Leveraging Peer Assessment for In-Class Programming Exercises**. *In Proceedings of the ACM : Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing (CSCW 2021)*, to appear
- C.9 **April Y. Wang**, Dakuo Wang, Xuye Liu, and Lingfei Wu. **Graph-Augmented Code Summarization in Computational Notebooks**. *In Proceedings of 30th International Joint Conferences on Artificial Intelligence (IJCAI 2021)*, to appear
- 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**. *In Proceedings of the ACM : Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing (CSCW 2021)*
- C.7 Soya Park, **April Y. Wang**, Ban Kaws, Q. Vera Liao, David Piorkowski, and Marina Danilevsky. **Facilitating knowledge sharing from domain experts to data scientists for building NLP models**. *In Proceedings of the 26th International Conference on Intelligent User Interfaces (IUI 2021)*
- 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**. *In 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**. *In 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**. *In 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**. *In 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**. *In 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**. *In 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 2021 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 Human-AI Co-Creation with Generative Models at ACM Conference on Intelligent User Interface (IUI 2021)*
- 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)*

ACADEMIC SERVICE

Program Committee CHI LBW'21, AIED'20

Reviewer VL/HCC'21, TOCHI'21, UIST'21, TiiS'20, 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

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

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