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QUAN ZE (JIM) CHEN

APPOINTMENTS

2023–Current **University of Washington**, Seattle, WA
Postdoctoral Scholar, Computer Science & Engineering
Advisors: Amy X. Zhang, Franziska Roesner

EDUCATION

2018–2023 **University of Washington**, Seattle, WA
Ph.D. Computer Science & Engineering
Advisor: Amy X. Zhang

2016–2018 **University of Washington**, Seattle, WA
M.S. Computer Science & Engineering

2012–2016 **University of Pennsylvania**, Philadelphia, PA
B.S.E. Networked and Social Systems Engineering, Summa Cum Laude

PUBLICATIONS

Under Review

- [r.1] **Quan Ze Chen**, K.J. Kevin Feng, Chan Young Park, Amy X. Zhang. A Retrieval Augmentation Approach for Aligning to Pluralistic Values. *Under review*. ACL Rolling Review.
- [r.2] **Quan Ze Chen**, Amy X. Zhang. Case Law Grounding: Using Precedents to Align Decision-Making for Humans and AI. *Under review*. *ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW '25)*. TBD. Oct-Nov 2024.
- [r.3] Tzu-Sheng Kuo, **Quan Ze Chen**, Amy X. Zhang, Jane Hsieh, Haiyi Zhu, Kenneth Holstein, Amy X. Zhang. PolicyCraft: Supporting Collaborative and Participatory Policy Design through Case-Grounded Deliberation. *Under review*.
- [r.4] Leijie Wang, Kathryn Yurechko, Pranati Dani, **Quan Ze Chen**, Amy X. Zhang. End User Authoring of Personalized Content Classifiers: Comparing Example Labeling, Rule Writing, and LLM Prompting. *Under review*.

Conference and Journal Papers

- [c.11] Inyoung Cheong, King Xia, K.J. Kevin Feng, **Quan Ze Chen**, Amy X. Zhang. (A)I Am Not a Lawyer, But...: Engaging Legal Experts towards Responsible LLM Policies for Legal Advice. *ACM Conference on Fairness, Accountability, and Transparency (FAcT '24)*. Rio de Janeiro, Brazil. June 2024.
- [c.10] Kianna Bolante, Kevin Chen, **Quan Ze Chen**, Amy X. Zhang. Bringing Social Computing to Secondary School Classrooms. *ACM Special Interest Group on Computer Science Education Technical Symposium (SIGCSE TS 2024)*. Portland, OR. March 2024.

- [c.9] Andre Ye, **Quan Ze Chen**, Amy X. Zhang. Confidence Contours: Uncertainty-Aware Annotation for Medical Semantic Segmentation. *AAAI Conference on Human Computation and Crowdsourcing (HCOMP '23)*. Delft, Netherlands. November 2023. **Honorable Mention**
- [c.8] **Quan Ze Chen**, Amy X. Zhang. Judgment Sieve: Reducing Uncertainty in Group Judgments through Interventions Targeting Ambiguity versus Disagreement. *ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW '23)*. Minneapolis, MN. October 2023.
- [c.7] Shagun Jhaver, Alice Zhang, **Quan Ze Chen**, Detlef Knauss, Amy X. Zhang. Understanding User Preferences for Personal Content Moderation Controls. *ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW '23)*. Minneapolis, MN. October 2023.
- [c.6] Teanna Barrett, **Quan Ze Chen**, Amy X. Zhang. Skin Deep: Investigating Subjectivity in Skin Tone Annotations for Computer Vision Benchmark Datasets. *ACM Conference on Fairness Accountability and Transparency (FAcT '23)*. Chicago, IL. June 2023.
- [c.5] Shagun Jhaver, **Quan Ze Chen**, Detlef Knauss, Amy X. Zhang. Designing Word Filter Tools for Creator-led Comment Moderation. *ACM Conference on Human Factors in Computing Systems (CHI '22)*. New Orleans, LA. April 2022.
- [c.4] **Quan Ze Chen**, Daniel S. Weld, Amy X. Zhang. Goldilocks: Consistent Crowdsourced Scalar Annotations with Relative Uncertainty. *Proceedings of the ACM on Human-Computer Interaction (CSCW '21)*. Virtual. October 2021.
- [c.3] **Quan Ze Chen**, Jonathan Bragg, Lydia B. Chilton, Daniel S. Weld. Cicero: Multi-Turn, Contextual Argumentation for Accurate Crowdsourcing. *ACM Conference on Human Factors in Computing Systems (CHI '19)*. Glasgow, United Kingdom. May 2019.
- [c.1] Wei Xu, Courtney Napoles, Ellie Pavlick, **Quan Ze Chen**, Chris Callison-Burch. Optimizing Statistical Machine Translation for Simplification. *Transactions of the Association for Computational Linguistics (ACL '16)*. Berlin, Germany. August 2016.

Posters and Work-in-Progress Papers

- [p.4] Andrew Konya, Aviv Ovadya, Kevin Feng, **Quan Ze Chen**, Lisa Schirch, Colin Irwin, Amy X Zhang. Chain of Alignment. *Pluralistic Alignment, Conference on Neural Information Processing Systems (Pluralistic Alignment Workshop at NeurIPS '23)*. Vancouver, Canada. Dec 2024.
- [p.3] K. J. Kevin Feng, **Quan Ze Chen**, Inyoung Cheong, King Xia, Amy X. Zhang. Case Repositories: Towards Case-Based Reasoning for AI Alignment. *First Workshop on AI meets Moral Philosophy and Moral Psychology, Conference on Neural Information Processing Systems (MP2 Workshop at NeurIPS '23)*. New Orleans, LA. Dec 2023.
- [p.2] John Akers, Gagan Bansal, Gabriel Cadamuro, Christine Chen, **Quan Ze Chen**, Lucy Lin, Phoebe Mulcaire, Rajalakshmi Nandakumar, Matthew Rockett, Lucy Simko, John Toman, Tongshuang Wu, Eric Zeng, Bill Zorn, Franziska Roesner. Technology-enabled disinformation: Summary, lessons, and recommendation. *arXiv 2018*. Digial Preprint.
- [p.1] **Quan Ze Chen**, Chenyang Lei, Wei Xu, Ellie Pavlick, Chris Callison-Burch. Poetry of the Crowd: A Human Computation Algorithm to Convert Prose into Rhyming Verse *AAAI Conference on Human Computation and Crowdsourcing (HCOMP '14)*. Pittsburgh, PA. Sept 2014.

Doctoral Symposium

- [ds.1] **Quan Ze Chen**. Disentangling Inherent Ambiguity and Disagreement in Crowdsourced Anno-

tation . *AAAI Conference on Human Computation and Crowdsourcing (HCOMP '21)*. Virtual. Nov 2021.

INDUSTRY EXPERIENCE AND INTERNSHIPS

- Summer 2021 Applied Scientist Intern, **SageMaker Ground Truth, Amazon AI**, Palo Alto, CA
Mentors: Mike Schaekermann, Matt Lease, Erran Li
- Spring 2020 Research Intern, **Human-AI eXperiences (HAX) Team, Microsoft Research**, Redmond, WA
Mentors: Besmira Nushi, Tobias Schnabel, Saleema Amershi
- Spring 2019 Research Intern, **Semantic Scholar, AI2**, Seattle, WA
Mentor: Dan Weld
- Summer 2015 Software Engineer Intern, **Google Inc.**, Los Angeles, CA
- 2010-2012 High School Research Intern, **Institute of Microbiology, Chinese Academy of Sciences**, Beijing, China
Mentor: Baoli Zhu

GRANTS

- 2023 *Democratic Inputs to AI, OpenAI Inc.*, Case Law for AI Policy: Democratically Aligning AI with Human Preferences through Case Repositories

TEACHING

Courses

- Autumn 2022 Teaching Assistant, **CSE 440: Introduction To HCI**, UW CSE
Graduate TA for undergraduate special topics course.
- Spring 2021 Teaching Assistant, **CSEP 590B: Enterprise Chatbots**, UW CSE
Graduate TA for MS level special topics course.
- Winter 2021 Teaching Assistant, **CSE 415: Introduction to Artificial Intelligence**, UW CSE
Graduate TA for non-majors AI intro course.
- Winter 2019 Teaching Assistant, **CSE 473: Introduction to Artificial Intelligence**, UW CSE
Graduate TA for majors AI intro course.
- Spring 2019 Teaching Assistant, **CSEP 573: Introduction to Artificial Intelligence**, UW CSE
Graduate TA for MS AI intro course.
- 2013 - 2016 Teaching Assistant, **CIS 121: Data Structures and Algorithms**, University of Pennsylvania
Undergraduate TA, Head TA for undergraduate intro CS course.

INVITED TALKS

- Nov 2023 **Colloquium**, University of Texas, Austin, TX
Working with Uncertainty to Align Humans and AI on Socially-Constructed Concepts
- Sept 2023 **Democratic Inputs to AI**, OpenAI Inc., San Francisco, CA
Case Law for AI Policy
- July 2023 **ASE Events Invited Talk**, Apple Inc., Seattle, WA

Tools and Workflows for Aligning Machine Learning Systems with Human Uncertainty

Aug 2022

Stanford HCI Lunch, Stanford University, Virtual
Understanding and Addressing Uncertainty of the Crowd

June 2022

Expertise@Scale Salon, Carnegie Mellon University, Virtual
Understanding and Addressing Uncertainty of the Crowd

SERVICE

Reviewer

Conferences: CHI '20-'24, CSCW '21-'25, WWW '20

Journals: JAIR

Workshops: CHI '22-'23 TRAIT, CHI '24 TREW, NeurIPS '24 Pluralistic Alignment

STUDENT ADVISING

Undergraduate Students

2023

Katie Yurechko

2022

Andre Ye

Teanna Barrett

Kianna Bolante