

EDUCATION

- University of California, Irvine** Irvine, CA, USA
Ph.D. in Philosophy, Emphasis in Mathematics 2018–2024
Department of Logic and Philosophy of Science
Dissertation: *Confluence and Classification: Towards a Philosophy of Descriptive-Set-Theoretic Practice*
Committee: Toby Meadows (Chair), Jeremy Heis, Martin Zeman
- University of California, Irvine** Irvine, CA, USA
M.A. in Mathematical Behavioral Science 2018–2022
School of Social Sciences
- University of Southern California** Los Angeles, CA, USA
B.A. in Linguistics/Philosophy 2014–2018
Minor in Middle East Studies (Arabic, Farsi, Hebrew)

RESEARCH AREA

Areas of Specialization

Mathematical Practice and Methodology
Philosophy of Set Theory
Church-Turing Thesis
Foundations of Mathematics
History of Descriptive Set Theory

Areas of Competence

History of Soviet Mathematics, Recursion Theory, Foundations of Linguistics, Formal Semantics

PUBLICATIONS

- [1] Jason Zesheng Chen. “Varieties of Confluence Arguments, Part 1: Practical Applications”. In: *Synthese* 207.99 (2026). URL: <https://link.springer.com/10.1007/s11229-026-05482-4>.
- [2] Jason Chen and Toby Meadows. *Teasing Apart Definitional Equivalence*. 2025. URL: <https://arxiv.org/abs/2508.03956>. ArXiv Preprint, under review at *Notre Dame Journal of Formal Logic*.
- [3] Jason Zesheng Chen. “Confluence and Classification: Towards a Philosophy of Descriptive-Set-Theoretic Practice”. PhD thesis. University of California, Irvine, 2024. URL: <https://escholarship.org/uc/item/5md567n0>.

MANUSCRIPT IN PROGRESS (CONTACT FOR ACCESS)

- Varieties of Confluence Arguments, Part 2.
- A co-authored paper on internal applicability and proof taxonomy, with focus on descriptive set theory and combinatorics.
- A paper on a recently emerged foundational role of set theory.
- A paper tracing the conceptual development of analytic sets from Luzin sieves to ill-founded trees.

INVITED TALKS

<i>The Emergence of a Foundational Role</i> ASL Plenary Lecture, APA Central 2026	Chicago, IL, USA February 2026
<i>Justification by Confluence</i> 2024 Fudan Conference on Logic and Metaphysics	Shanghai, China April 2024
<i>Metamathematical Methods in Descriptive Set Theory</i> Fudan Logic Seminar	Shanghai, China April 2024
<i>Pre-history of Invariant Descriptive Set Theory</i> Fudan Logic Seminar	Shanghai, China April 2024
<i>Justification by Confluence</i> Peking University Center for Logic, Language, and Cognition Seminar	Beijing, China April 2024
<i>Confluence Phenomena in Mathematics</i> Notre Dame Logic Reading Group	South Bend, IN, USA May 2023
<i>Classification Turn of Descriptive Set Theory</i> Nancy-Irvine Workshop on Formalization in Logic, Language, and Mathematics	Irvine, CA, USA April 2023
<i>Is Gödel's constructible universe formalism-free?</i> Peking University Center for Logic, Language, and Cognition Seminar	Beijing, China December 2021

CONTRIBUTED TALKS

<i>Teasing Definitional Equivalence and Bi-interpretability Apart</i> 2026 Society for Exact Philosophy Meeting	Vancouver, Canada May 2026
<i>A Belated Foundational Role of Set Theory</i> 2025 Annual Conference of Philosophy of Mathematics in China	Online/Lanzhou, China July 2025
<i>Practical uses of the Church-Turing Thesis, revisited</i> ASL Contributed Paper Session at the 2025 APA Central Division Meeting	Online March 2025
<i>Justification by Confluence</i> The sixth Young Scholars in Science and Philosophy workshop Chinese Academy of Sciences Institute of Philosophy	Beijing, China April 2024
<i>Is Gödel's constructible universe formalism-free?</i> SOPhiA: 11th Salzburg Conference for Young Analytic Philosophy	Online September 2021
<i>Generalized Constructible Universe and Church-Turing Thesis for Definability</i> Δ_{14} Logic Workshop on Mathematics, Philosophy, and Computer Science Wuhan University	Online/Wuhan China April 2021

COMMENTS AND REVIEWS

- Commentator to Frederik Anderson's "Countering Justification Holism in the Epistemology of Logic" Online
2021 APA Pacific Division Meeting March 2021
- External Reviewer China
National Conference on Modern Logic '25 September 2025

EDITORIAL AND TRANSLATION EXPERIENCES

- Translator 2024-Present
(*Under Contract*) Translated Volume of Hugh Woodin's Collected Works
- Proofreader March-July 2025
Chinese translation of *Lectures on the Philosophy of Mathematics* by Joel David Hamkins

SERVICE TO THE PROFESSION

- Committee Member USA
Committee on Non-academic Career, American Philosophical Association 2025-2027
- Invited Panel Speaker Irvine, CA, USA
Career Day Employment Panel, Department of Logic and Philosophy of Science, UC Irvine June 2024
- Organizer and Panelist Online
Non-academic Career Workshop, Chinese Students Studying Philosophy Abroad (CSSPA) December 2023
- Co-organizer Online
 Δ_{17} Workshop on Logic April 2022

OUTREACH AND PUBLIC ENGAGEMENT

- Public Writer 2016-Present
Zhihu.com, Medium.com, Misc.
- Recognized as a member of the inaugural class of Social Sciences Communication Fellows at the School of Social Sciences, UC Irvine
 - Contributing as staff writer on Cantor's Paradise, the top math publication on Medium.com (@jasonzeshengchen); contributed the very first article of the Breaking News category
 - Grew and actively maintaining a presence on the largest Chinese online Q&A forum, Zhihu, with over 26,000 subscribers for educational content on philosophy, mathematics, and history
 - Contributed set theory articles to Fudan Logic WeChat Public Account
- Invited Guest Lecturer Beijing, China
Department of Sinology and Chinese Studies, Beijing Language and Culture University April 2024
- Delivered a general-audience lecture on Infinity and Paradox to 100 Chinese-or-Foreign Language major students
- Invited Guest Lecturer Shenzhen, China
Department of Sinology and Chinese Studies, Beijing Language and Culture University April 2024
- Delivered a general-audience lecture on Infinity and Paradox to high school students

SCHOLARSHIPS AND AWARDS

- Science Communication Fellowship, UC Irvine School of Social Sciences (\$7,000 USD) Fall 2021
- UC Irvine Social Science Merit Fellowship (\$23,000 USD/Year) 2018–2024
- USC Trustee Scholarship (\$47,500 USD/Year) 2014–2018

TEACHING

- Graduate Teaching Assistant at Fudan University Summer 2022
Fudan Logic Summer School: Large Cardinals Beyond Choice. (Instructor: Gabriel Goldberg)
- Prerequisite Session Tutor at Fudan University Summer 2020
Fudan Logic Summer School: Forcing and Large Cardinals. (Instructor: Ralf Schindler)
- Teaching Assistant at UC Irvine 2019-2024
Introduction to Symbolic Logic (LPS 30, Philos 30, Linguis 43)
Introduction to Linguistics (LSCI 3)
Discover Language (LSCI 2)
Psychology Fundamentals (PSCI 11B, PSYCH 9B)
Introduction to Law (PolSci 71A)
Basic Economics II (Econ 20B)
Sociology Major's Seminar (Sociol AW180)

INDUSTRY EXPERIENCE

- Product Marketing Manager Mountain View, CA, USA
Developer Relations, Intuit Inc 2024-Present
- Managing end-to-end internal go-to-market programs for developer-focused tooling at Intuit, delivering data-driven campaigns, enablement resources, and communications that accelerated adoption and engagement among thousands of internal users
 - Developing and executing on external campaigns to highlight benefits and use cases of Intuit's developer platform and open-source technology to elevate awareness of Intuit's tech brand
- Technical Writer Intern Mountain View, CA, USA
Developer Relations, Intuit Inc June-September 2023
- Edited and expanded existing Numaproj (open-source Kubernetes stream-processing platform) documentation as the sole technical writer, ensuring correctness, completeness, and ease of use, in preparation for major v1.0 release.
 - Worked as editor for the Numaproj blog. Assisted in writing and extensively edited 5 technical articles on DevOps, AIOps, and stream processing. Interviewed subject matter experts for content accuracy. Aligned with product managers and developer advocates for publication timeline and promotion strategies based on blog analytics
 - Managed and produced content and graphic for Intuit Open Source on LinkedIn. Tracked key performance metrics and identified SEO strategy. Increased follower count by >25%

LANGUAGES

- **Mandarin, Cantonese:** Native
- **English:** Native-like
- **Spanish:** Fluent
- **German:** Fluent
- **French:** Reading Proficiency
- **Russian:** Reading Proficiency
- **Arabic (Modern Standard):** Intermediate
- **Farsi:** Intermediate
- **Hebrew:** Intermediate
- **Latin, Ancient Greek:** Assisted reading with dictionary

SKILLS

- **Programming:** \LaTeX , Markdown, HTML, CSS, Python, JavaScript
- **Web Development:** React.js, Next.js, Tailwind CSS
- **Educational Content Design and Production:** DaVinci Resolve, Canva, Motion Graphics Design, Explainer Video Production, Curriculum Design
- **Community Engagement:** Special Interest Group Organization and Management, Technical Subject Matter Expert Relations Management, Event Organization (Conferences, Seminars, Workshops)
- **Publishing:** Typesetting, Editorial Pipeline and Calendar Management (print and social media), SEO