

---

CONTACT INFORMATION	Department of Philosophy MC 0119 University of California, San Diego 9500 Gilman Drive, La Jolla, CA 92093-0119	+1 (858) 534 9281 eddykemingchen@ucsd.edu
WEBSITE	www.eddykemingchen.net	
SPECIALIZATION (AOS)	Philosophy of Physics; Philosophy of Science; Metaphysics.	
COMPETENCE (AOC)	Chinese Philosophy; Decision Theory; Formal Epistemology; Philosophy of Mathematics; Philosophy of Religion.	
EMPLOYMENT	Assistant Professor, <b>Department of Philosophy, University of California, San Diego</b>	Jul 2019-present
OTHER AFFILIATIONS	Associate Editor, <i>Foundations of Physics</i>	Jul 2020-present
	Fellow, John Bell Institute for the Foundations of Physics	Aug 2018-present
	Affiliated Faculty, Chinese Studies Program, UC San Diego	Jan 2020-present
EDUCATION	<b>Rutgers University, New Brunswick</b>	
	Ph.D., Philosophy, May 2019	
	<ul style="list-style-type: none"> <li>• Thesis: <i>Essays on the Metaphysics of Quantum Mechanics</i></li> <li>• Committee: Barry Loewer (co-chair), David Albert (co-chair), Sheldon Goldstein (mathematics), Tim Maudlin (external), Jill North, Jonathan Schaffer, Ted Sider</li> </ul>	
	M.Sc., Mathematics (Mathematical Physics), May 2019	
	<ul style="list-style-type: none"> <li>• Thesis: <i>Quantum States in a Time-Asymmetric Universe</i></li> <li>• Committee: Sheldon Goldstein (chair), Michael Kiessling, Joel Lebowitz, Roderich Tumulka</li> </ul>	
	Graduate Certificate in Cognitive Science, Dec 2018	
	<ul style="list-style-type: none"> <li>• Thesis: <i>Comparativism about Mental Qualities</i></li> <li>• Advisor: Matthew Stone</li> </ul>	
	<b>Calvin College</b>	
	B.S., Mathematics (Major), Physics (Minor), May 2013	
	B.A., Philosophy (Highest Honors), May 2013	
	<ul style="list-style-type: none"> <li>• Thesis: <i>Singular Propositions, Truth-In/At, and Modality De Re/De Dicto</i></li> <li>• Supervisors: Alvin Plantinga and Stephen Wykstra</li> </ul>	
	<b>National University of Singapore</b>	
	Enrolled in Mathematics and Physics Undergraduate Modules, 2009-2010	
BOOK UNDER CONTRACT	1. <i>Laws of Physics</i> Cambridge University Press, in preparation	

## ARTICLES

1. “Fundamental Nomic Vagueness”  
*The Philosophical Review*, 2022.
2. “Uniform Probability Distribution over All Density Matrices” (with Roderich Tumulka)  
*Quantum Studies: Mathematics and Foundations*, 2022
3. “Time’s Arrow and Self-Locating Probability”  
*Philosophy and Phenomenological Research*, 2021
4. “From Time Asymmetry to Quantum Entanglement: The Humean Unification”  
*Noûs*, 2020.
5. “Realism about the Wave Function”  
*Philosophy Compass*, 2019
6. “Quantum Mechanics in a Time-Asymmetric Universe: On the Nature of the Initial Quantum State”  
*The British Journal for the Philosophy of Science*, 2018 [2021]  
**Awarded the 2021 BJPS Popper Prize**
7. “Our Fundamental Physical Space: An Essay on the Metaphysics of the Wave Function”  
*The Journal of Philosophy*, 2017
8. “Surreal Decisions” (with Daniel Rubio)  
*Philosophy and Phenomenological Research*, 2018 [2020]
9. “Great Expectations: Introducing Surreal Decision Theory” (with Daniel Rubio) Wiebe van der Hoek, Wesley H. Holliday, Wen-fang Wang (eds.), *Proceedings of the 5th International Workshop on Logic, Rationality, and Interaction (LORI-V)*, Volume LNCS 9394, pp. 53–63. Springer-Verlag Berlin Heidelberg, 2015.

CHAPTERS IN  
EDITED VOLUMES

1. “Governing without a Fundamental Direction of Time: Minimal Primitivism about Laws of Nature” (with Sheldon Goldstein)  
Yemima Ben-Menahem (ed.), *Rethinking Laws of Nature*, Springer, forthcoming
2. “The Past Hypothesis and the Nature of Physical Laws”  
Barry Loewer, Eric Winsberg, and Brad Weslake (ed.), *Times Arrows and the Probability Structure of the World*, Harvard University Press, forthcoming
3. “Bell’s Theorem, Quantum Probabilities, and Superdeterminism”  
Eleanor Knox and Alastair Wilson (eds.) *The Routledge Companion to the Philosophy of Physics*, 2021
4. “The Cosmic Void”  
Sara Bernstein and Tyron Goldschmidt (eds.), *Non-Being: New Essays on the Metaphysics of Non-Existence*, Oxford University Press, 2021.
5. “Time’s Arrow in a Quantum Universe: On the Status of Statistical Mechanical Probabilities”  
Valia Allori (ed.), *Statistical Mechanics and Scientific Explanation: Determinism, Indeterminism and Laws of Nature*, World Scientific, 2020

## BOOK REVIEW

1. Richard Healey, *The Quantum Revolution in Philosophy*  
*The Philosophical Review*, 129 (2): 302-308, 2020.

UNDER REVIEW	1. “The Intrinsic Structure of Quantum Mechanics” [ <a href="#">arXiv:1810.06551</a> ]	
PAPERS IN PREPARATION	<ol style="list-style-type: none"> <li>1. “Strong Determinism”</li> <li>2. “Humean Typicality” (with Sheldon Goldstein, Dustin Lazarovici, and Isaac Wilhelm)</li> <li>3. “Comparativism about Mental Qualities”</li> <li>4. “Surreal Decision Theory for Infinite State Spaces” (with Daniel Rubio)</li> <li>5. “A Hybrid Voluntarist Interpretation of Xunzi”</li> </ol>	
POPULAR WRITINGS	<ol style="list-style-type: none"> <li>1. “Welcome to the Fuzzy-Verse” (based on “Nomic Vagueness”) <ul style="list-style-type: none"> <li>Featured on the cover as “The Flaw at the Heart of Reality: Why precise mathematical laws can never fully explain the universe”</li> <li><i>New Scientist</i>, Issue 3298, Sep 5, 2020 [<a href="#">Penultimate</a>] [<a href="#">Magazine</a>]</li> </ul> </li> <li>2. (With Isaac Wilhelm) “From Ants to Quantum Non-Locality” <ul style="list-style-type: none"> <li><i>The Daily Ant</i>, July 2017 [<a href="#">Link</a>]</li> </ul> </li> </ol>	
GRANTS	1. Member of the “Life on the Edge” project, funded by a \$3 million grant from the John Templeton Foundation, Dec 2021-Jun 2024	
SELECTED HONORS AND AWARDS	<p>The 2021 <i>BJPS</i> Popper Prize <span style="float: right;">2022</span></p> <p><b>University of California, San Diego</b></p> <ul style="list-style-type: none"> <li>• Academic Senate Award for Summer Research <span style="float: right;">2021</span></li> </ul> <p><b>Rutgers University</b></p> <ul style="list-style-type: none"> <li>• <b>Harvey Waterman Medal of Excellence</b> <span style="float: right;">2019</span></li> <li>• Presidential Fellowship for Doctoral Studies <span style="float: right;">2013, 14, 17</span></li> <li>• SCP-Templeton Graduate Fellowship <span style="float: right;">2017-18</span></li> <li style="padding-left: 20px;">for Cross Training in Physics</li> <li>• Mellon Fellowship for Summer Research <span style="float: right;">2017</span></li> <li>• APA Graduate Student Travel Stipend <span style="float: right;">2016</span></li> <li>• Rutgers Graduate School Travel Stipend <span style="float: right;">2014, 15, 16</span></li> <li>• Summer Special Study Fellowship <span style="float: right;">2015, 16</span></li> </ul> <p><b>Calvin College</b></p> <ul style="list-style-type: none"> <li>• Presidential Scholarship <span style="float: right;">2010-13</span></li> <li>• William Rinck Memorial Prize <span style="float: right;">2013</span></li> <li style="padding-left: 20px;">for Best Graduating Senior in Mathematics</li> <li>• Van Der Woude Award in Science Division <span style="float: right;">2011, 12</span></li> <li>• Bouwsma Prize for Best Paper in Philosophy <span style="float: right;">2013</span></li> <li>• Bouwsma Award for Excellence in Philosophy <span style="float: right;">2011</span></li> <li>• Konyndyk Scholarship for Excellence in Philosophy <span style="float: right;">2011</span></li> </ul> <p><b>National University of Singapore</b></p> <ul style="list-style-type: none"> <li>• SM2-GLC Undergraduate Full Scholarship, <span style="float: right;">2007-10</span></li> <li style="padding-left: 20px;">Ministry of Education, Singapore</li> <li>• The University Scholars Program <span style="float: right;">2009-10</span></li> <li>• Valedictorian for SM2-GLC Scholarship Recipients <span style="float: right;">2009</span></li> </ul>	

VISITING FELLOWSHIPS	<b>Australian National University</b>	Jun-Jul 2017
	Research School of Social Sciences, Faculty Sponsor: Alan Hájek	
	<b>University of Southern California</b>	Mar-Apr 2017
	Department of Philosophy, Supervisor: David Wallace	
	<b>University of Bristol</b>	Sep 2016
	Department of Philosophy, Faculty Sponsor: Richard Pettigrew	
	<b>University of Oxford</b>	Jan-Apr 2012
	Undergraduate Visiting Student	

SELECTED PRESENTATIONS	<b>Governing without a Fundamental Direction of Time: Minimal Primitivism about Laws of Nature</b>	
	<ul style="list-style-type: none"> <li>• Philosophy of Time Association, Pacific APA</li> <li>• Graduate Proseminar in Philosophy, UC San Diego</li> <li>• Graduate Seminar in Philosophy of Science, UIUC</li> <li>• Research Group in Metaphysics (<i>eidōs</i>) and the Geneva Symmetry Group, University of Geneva</li> <li>• Metro Area Philosophy of Science Group (MAPS)</li> <li>• CalTech Philosophy of Physics Group</li> <li>• Metaphysics Reading Group, Rutgers University</li> </ul>	<ul style="list-style-type: none"> <li>Apr 2022</li> <li>Nov 2021</li> <li>Oct 2021</li> <li>Oct 2021</li> <li>Oct 2021</li> <li>Oct 2021</li> <li>Oct 2021</li> </ul>
	<b>Strong Determinism</b>	
	<ul style="list-style-type: none"> <li>• Colloquium, UC Riverside</li> <li>• Colloquium, Logic and Philosophy of Science, UC Irvine</li> <li>• Foundations of Probability Seminar, Rutgers University</li> <li>• Quantum Foundations Seminar, Surrey University</li> <li>• California Quantum Information Network</li> </ul>	<ul style="list-style-type: none"> <li>May 2022</li> <li>May 2022</li> <li>Feb 2022</li> <li>Oct 2021</li> <li>Sep 2021</li> </ul>
	<b>Nomic Vagueness</b>	
	<ul style="list-style-type: none"> <li>• 27th Biennial Meeting of the Philosophy of Science Association</li> <li>• (Invited) Pontifical University of St. Thomas Aquinas, Italy</li> <li>• (Invited) Harvard Foundations of Physics Mini-Workshop</li> <li>• (Invited) CalTech philosophy of physics reading group</li> <li>• (Invited) Delta 13 Workshop on Logic</li> <li>• (Invited) University of Illinois, Chicago</li> <li>• (Invited) Foundations of Physics Conference, Columbia University</li> <li>• (Invited) Early Career Philosophy of Physics Workshop, CCNY</li> </ul>	<ul style="list-style-type: none"> <li>Nov 2021</li> <li>Jan 2021</li> <li>July 2020</li> <li>May 2020</li> <li>May 2020</li> <li>Feb 2020</li> <li>Nov 2019</li> <li>May 2019</li> </ul>
	<b>The Wentaculus: Density Matrix Realism Meets the Arrow of Time</b>	
	<ul style="list-style-type: none"> <li>• (Invited) Graduate Seminar in Philosophy of Physics, Rutgers University</li> <li>• (Invited) Philosophy of Physics Research Seminars, University of Oxford</li> <li>• (Invited) Density Matrix Realism Workshop, University of Birmingham</li> </ul>	<ul style="list-style-type: none"> <li>Apr 2022</li> <li>Jan 2021</li> <li>Nov 2020</li> </ul>
	<b>Boltzmannian Quantum Statistical Mechanics</b>	
	<ul style="list-style-type: none"> <li>• (Invited) Black Forest Summer Conference on Foundations of Physics (Cancelled due to COVID-19)</li> </ul>	<ul style="list-style-type: none"> <li>Jul 2020</li> </ul>
	<b>Varieties of Intrinsicity</b>	
	<ul style="list-style-type: none"> <li>• <i>Science Without Numbers</i>: 40 years later</li> </ul>	<ul style="list-style-type: none"> <li>Nov 2020</li> </ul>
	<b>The Cosmic Void and Non-Fundamental Facts</b>	
	<ul style="list-style-type: none"> <li>• (Invited) “Defining Nothingness” Conference, HSE University Moscow</li> <li>• (Invited) APA Symposium “Metaphysics Without Ontology”</li> </ul>	<ul style="list-style-type: none"> <li>Jan 2022</li> <li>Feb 2020</li> </ul>

### **From Time Asymmetry to Quantum Entanglement: The Humean Unification**

- (Invited) Humean Laws Workshop June 2020

### **Time's Arrow in a Quantum Universe**

- (Invited) Mathematical Physics Seminar, University of Tübingen Mar 2019
- (Invited) University of California, San Diego Feb 2019
- (Invited) University of Wisconsin, Madison Jan 2019
- (Invited) Tsinghua University (commented by Shan Gao) Jan 2019
- (Invited) Wuhan University Jan 2019
- (Invited) HUST (commented by Wan Xiaolong) Jan 2019
- (Invited) Cornell University Feb 2018
- (Invited) University of Wisconsin, Milwaukee Feb 2018
- Philosophy of Cosmology Session, German Physical Society, Munich Mar 2019
- Philosophy of Science Association, Seattle Oct 2018
- Summer School on Entropy, Split Jul 2018
- Western Ontario Philosophy of Logic, Mathematics, and Physics Graduate Student Conference Jun 2018
- Rotman Summer Institute in Philosophy of Cosmology Jun 2018

### **Time's Arrow Without Statistical Mechanical Probabilities**

- Philosophy of Time Association, Central APA, Denver Feb 2019
- Rutgers Seminar on the Foundations of Probability Nov 2018

### **Comparativism about the Mind: From Metaphysics of Quantities to the Nature of Mentality**

- (Invited) Rutgers-Bochum Workshop in Philosophy and Cognitive Science, Bochum Mar 2019
- 24th World Congress of Philosophy, Beijing Aug 2018

### **An Intrinsic Theory of Quantum Mechanics: Progress in Field's Nominalistic Program**

- (Invited) UC Irvine, Logic and Philosophy of Science (LPS) Apr 2017
- (Invited) Bristol Center for Science and Philosophy Sep 2016
- Pacific APA Symposium Mar 2018  
(commented by Thomas Barrett and Rhys Borchert)
- 3rd Annual Meeting of the Society for the Metaphysics of Science (SMS), Oct 2017  
Fordham University (commented by David Glick)
- 18th UK and European Conference on Foundations of Physics, London Jul 2016
- 4th Black Forest Philosophy of Physics Summer School, Saig Jul 2016

### **Our Fundamental Physical Space: An Essay on the Metaphysics of the Wavefunction**

- (Invited) University of Illinois, Chicago Mar 2016
- Central APA Symposium (commented by Nick Huggett), Chicago Mar 2016
- 1st Annual Meeting of the Society for the Metaphysics of Science (SMS), Oct 2015  
Rutgers University-Newark (commented by Vishnya Maudlin)
- 3rd Black Forest Philosophy of Physics Summer School, Saig Jul 2015

### **The Best Summary of the Quantum World: The Universal Wavefunction as a Humean Law**

- (Invited) Tsinghua University Philosophy of Science Colloquium Dec 2015
- 15th Congress of Logic, Methodology, and Philosophy of Science, University of Helsinki (CLMPS) Aug 2015
- 2nd Black Forest Philosophy of Physics Summer School, Saig Jul 2014
- Princeton Workshop on Technical Philosophy of Physics Mar 2014

### **Our Knowledge of the Past: Some Puzzles about Time’s Arrow and Self-Locating Probabilities**

- (Invited) 3rd Boulder Workshop in Formal Value Theory Mar 2018
- (Invited) The College of William and Mary Jan 2018
- (Invited) Wuhan University Dec 2017
- (Invited) CalTech, History and Philosophy of Science Series Apr 2017
- (Invited) University of Bristol Sep 2016
- Sydney University Winter School on Physics and Philosophy of Time (Winner of the book prize for the best presentation) Jul 2017
- Australasian Association of Philosophy (AAP) Annual Meeting, the University of Adelaide Jul 2017
- Time and Causality in the Sciences Conference (TaCitS), Stevens Institute of Technology Jun 2017
- UC San Diego, Philosophy Apr 2017
- UC Riverside Workshop on Epistemology and Philosophy of Mind Mar 2017

### **Space-Time Emergence: A Representational Theory**

- (Invited) Philosophy of Cosmology Workshop, CUNY Graduate Center May 2017

### **Great Expectations: Introducing Surreal Decision Theory** (co-authored with Daniel Rubio)

- (Invited) Peking University Colloquium on Logic, Language, and Cognition Dec 2015
- (Invited) Princeton Workshop on Intrinsic Values (Sanders Foundation Website Video Link) Nov 2015
- 5th International Congress on Logic, Rationality, and Interaction, National Taiwan University (LORI V) Oct 2015
- 15th Congress of Logic, Methodology, and Philosophy of Science, University of Helsinki (CLMPS) Aug 2015
- Pittsburgh-CMU Graduate Conference in Philosophy Mar 2015

### **Pascal’s Wager Meets Surreal Numbers** (co-authored with Daniel Rubio)

- (Invited) Work-in-Progress reading group, Bristol University Sep 2016
- (Invited) Xiamen University Philosophy Department May 2016

### **A Xunzian Puzzle about Meta-Ethics**

- (Invited) Skype lecture in Hu Jing’s seminar on Chinese Philosophy at Washington and Lee University Mar 2016

### **What is Analytic Philosophy?**

- (Invited) Department of Electrical Engineering, Wuhan University Jan 2016

### **Singular Propositions, Ontological Dependence, and the ‘Truth-in/-at’ Distinction**

- Calvin College Philosophy Symposium Nov 2012

### **Quantum Modeling of Recollision Excitation and Non-Sequential Double Ionization of Helium**

- Western Michigan Regional Undergraduate Science Research Conference Oct 2012  
Van Andel Institute, Grand Rapids, Michigan
- Calvin College Physics Departmental Seminar Sep 2012

COMMENTS

### **Alan Hájek’s “The Revenge of Pascal, Petersburg, Pasadena, and Paul”**

- (Invited) Workshop on Cognitive Values, CU Boulder Mar 2017

- Ned Hall’s “Causation and the Aim of Inquiry”**  
 • Rutgers Philosophy Department Colloquium Feb 2016
- Niels Martens’s “Comparativism about Mass and the Initial Variable Problem”**  
 • (Invited) Metaphysics of Quantities Conference, NYU May 2015
- Thomas Senor’s “Disagreement, Evidence, and Perception”**  
 • (Invited) Meiguo Metaphysics Mayhem, Peking University Jun 2012

TEACHING

- At University of California, San Diego  
 PHIL 158 - Topics in Chinese Philosophy Fall 2020,21  
 PHIL 120 - Symbolic Logic Fall 2020  
 PHIL 285 - Core Seminar in Philosophy of Science Spring 2020  
 PHIL 130 - Metaphysics Spring 2020,21  
 PHIL 146 - Philosophy of Physics Fall 2019,21
- At Rutgers University, New Brunswick  
 PHIL 319 - Philosophy of Mathematics Fall 2016  
 PHIL 475 - Chinese Philosophy Spring 2016
- Co-Chair (with Harry Crane and Dimitris Tsementzis) Fall 2016 - Spring 2018  
 PHIL 603 - Graduate Seminar on the Foundations of Probability  
 Joint Seminar of Philosophy and Statistics Depts., Rutgers University
- Graduate Supervision:  
 JiMin Kwon (UCSD), dissertation committee  
 Joseph Martinez (UCSD), dissertation committee  
 Eugene Chua (UCSD), third-year paper committee  
 Weixin Cai (UCSD), first-year advisor  
 Bosco Garcia (UCSD), first-year advisor
- Undergraduate supervision:  
 Cheng Chang (UCSD): Determinism, Triton Research and Experiential Learning Scholars (TRELS), fall 2021  
 Greyson Sims (UCSD): Philosophy of Quantum Mechanics, independent study, fall 2020

SERVICE

- Conferences and Events
- Associate editor, *Foundations of Physics* Jul 2020-present
  - Chair of the program committee, Society for the Metaphysics of Science 2022
  - Program committee, Society for the Metaphysics of Science 2021
  - Co-Organizer, conference “*Science Without Numbers, 40 Years Later*” Nov 2020
  - Co-Organizer, UCSD Philosophy of Physics Reading Group 2020-present
  - Co-Organizer, Rutgers-Columbia Workshop on Quantum Field Theories May 2018
  - Organizer, Rutgers Workshop on Structural Realism May 2017
  - Co-Organizer, Rutgers Workshop on Multiverse, Theodicy, and Fine-Tuning Jun 2016
  - Organizer, Metro Area Philosophy of Science Lecture Series (MAPS) 2015-17
  - Organizer, Rutgers Philosophy of Science Reading Group 2014-16
  - Co-organizer, Rutgers Metaphysics Reading Group 2015-16
  - Rutgers Philosophy Department Colloquium Committee 2014-16

- Contributions to Diversity and University Service
- Organizer of the UCSD philosophy department colloquium series 2022-23
  - Advisory board, UCSD Summer Program for the Advancement of Women in Philosophy (SPAWP) 2021-22
  - Graduate admissions subcommittee in logic and philosophy of science 2020-22
  - Designer of a DEI version of a class on Chinese Philosophy Apr 2021
  - Designer and grader of graduate student logic exemption test Sep 2020
  - Reviewer, undergraduate honors thesis in philosophy of physics Apr 2020
  - Mock interviewer for job-market candidates 2020, 2021
  - Participation in the design and proposal of the Chinese philosophy class Nov 2019
  - Panelist, admissions committee, and advisory board, Summer Program for Women in Philosophy, UCSD 2019-21
  - Faculty speaker, Preparing Accomplished Transfers to the Humanities (PATH) Program, San Diego Community College District Dec 2019
  - Commentator-at-large, New York-China Epistemology Conference Oct 2018
  - Rutgers Philosophy Department Climate Committee 2016-17
  - Graduate Panelist, Rutgers Summer Institute for Diversity in Philosophy Jul 2017
  - Rapporteur, 3rd and 4th Rutgers Workshops on Chinese Philosophy 2016, 2017
  - Participant, Muslim-Jewish-Christian Interfaith Dialogue on Providence and Randomness May 2016
  - Discussion Leader, Rutgers University International TA Orientation Aug 2016

REFEREE

- *Australasian Journal of Philosophy* (×4)
- *British Journal for the Philosophy of Science* (×8)
- *Erkenntnis* (×5)
- *Ergo* (×3)
- *European Journal for Philosophy of Science* (×4)
- *Foundations of Physics*
- *Internet Encyclopedia of Philosophy*
- *Journal of the American Philosophical Association*
- *Journal for General Philosophy of Science* (×3)
- *Mind* (×2)
- *Noûs* (×2)
- *Pacific Philosophical Quarterly*
- *Philosophy and Phenomenological Research*
- *Philosophers' Imprint*
- *Philosophia Mathematica*
- *Philosophical Studies* (×5)
- *Philosophy of Science* (×6)
- *Proceedings of the Italian Society for Logic and Philosophy of Science*
- *Scientific Reports*
- *Statistical Science*
- *Studies in History and Philosophy of Science Part A* (×2)
- *Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics* (×5)
- *Synthese* (×12)
- *Theoria*
- *Theory of Science*
- *Cambridge University Press*
- *Oxford University Press*
- *Springer*
- *Routledge*
- *European Research Council*
- *The Atlantic*



- *Bloomsbury Academic*

OTHER WORK  
AND RESEARCH

- Editorial Assistant** Spring 2017  
For Ernest Sosa and Georgi Gardiner  
*Nôus, PPR, Philosophical Issues*
- National Science Foundation (NSF) Research Fellowship** Summer 2012  
Topic: Theoretical Physics and Computer Modeling:  
Recollision Excitation and Non-Sequential Double Ionization of Helium  
Supervisor: Stan L. Haan  
Department of Physics,  
Calvin College
- Summer Research Fellowship** Summer 2011  
Topic: Mencius (Mengzi) and the Concept of Tian  
Supervisor: Kelly James Clark  
Department of Philosophy,  
Calvin College
- Undergraduate Research Assistant** 2008-2010  
Topic: Membrane Distillation for Water Purification with Reverse Osmosis  
Supervisor: Tai-Sheng Chung  
Chemical and Biomolecular Engineering,  
National University of Singapore
- Intern at *The New York Times*** Summer 2010  
Interviews, data analysis, and research on business, economics, culture,  
and the arts in China  
Supervisor: **David Barboza** (2013 Pulitzer Prize Winner)  
*The New York Times*, Shanghai Bureau