Curriculum Vitae

Nicholas Hanson-Holtry

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Education

University of California at Riverside — Los Angeles, California
PhD in Philosophy — Fall 2019 **to present**

Brandeis University — Boston, Massachusetts
MA in Philosophy — Fall 2017 to Spring 2019
· Thesis: "Reasoning First Rationality"
· Advisors: Dr. Berislav Marušić, Dr. Eli Hirsch
· Philosophy GPA: 4.00/4.00
· Overall GPA: 3.97/4.00

Rice University (SRC) — Houston, Texas
BS in Computer Science — Fall 2012 to Spring 2016
· Comp Sci GPA: 3.68/4.00
· Overall GPA: 3.61/4.00

Southridge High School — Portland, Oregon
IB Diploma — Fall 2010 to Spring 2012

Teaching Experience

<u>Brandeis University</u>

<u>Philosophy Department</u>

Biomedical Ethics — Spring 2019
with Dr. Eli Hirsch
· Held office hours, graded assignments+exams, etc.

Neuroethics — Fall 2018
with Dr. Brendan Cline
· Taught class when the professor was unavailable.
· Held office hours, graded assignments+exams, etc.

Aesthetics — Spring 2018
with Dr. Andreas Teuber
· Held office hours, graded assignments+exams, etc.

<u>Varsity Tutors</u>   online + Miami, Florida
Contractor / Certified Tutor   Fall 2016 to Summer 2017
· Tutored high school and undergraduate students in a variety
  of subjects, ranging from writing to coding to SAT test prep.

<u>Rice University</u>

    <u>Applied Math Department</u>

        Introduction to Computational Engineering   Spring 2013 to Spring 2016
        with Dr. Steven Cox, Dr. Franklin Kenter, and Dr. Illya Hicks
        · Taught class when the professor was unavailable.
        · Taught 1 recitation of ∼15 students ∼1 time/week.
        · Created and assigned 2 original homework assignments.
        · Held office hours, graded assignments+exams, etc.

    <u>Computer Science Department</u>

        Principles of Parallel Programming   Spring 2015, Spring 2016
        with Dr. Vivek Sarkar and Dr. Eric Allen
        · Held office hours, graded assignments+exams, etc.

        Reasoning About Algorithms   Fall 2015
        with Dr. Swarat Chaudhuri
        · Taught 1 recitation of ∼10 students ∼2 times/week.
        · Held office hours, graded assignments+exams, etc.

        Computational Thinking   Fall 2013, Fall 2014
        with Dr. Scott Rixner
        · Taught 1 recitation of ∼15 students ∼3 times/week.
        · Held office hours, graded assignments+exams, etc.

Recent Personal Projects

    {https://nicholashh.github.io/phil-ranker}   Fall 2018
    {https://github.com/nicholashh/arch/blob/master/note}   Summer 2019

Academic Research

    <u>Rice University</u>

    <u>Philosophy Department</u>

        Dr. Timothy Schroeder   Summer 2016 to Summer 2017

· Prototyped an open-source website (and accompanying database)
of assertions and arguments made by professional philosophers.

Computer Science Department

Dr. Swarat Chaudhuri   Summer 2015 to Fall 2015
· Investigated a computational definition of ethical fairness.
· Investigated formal methods assurances of fairness.
· Investigated post hoc verification of fairness.

Dr. Vivek Sarkar   Spring 2015
· Investigated optimal parallel `map` implementations.
· Contributed to the parallel computing suite Habanero Java.

Dr. Luay Nakhleh   Summer 2014
· Investigated introgressed genes in the *mus musculus* genome.
· Applied clustering algorithms to protein-protein interaction
network data to confirm previously identified genome patterns.
· Identified previously unknown introgressed gene candidates.

Dr. Devika Subramanian   Spring 2013
· Applied machine learning algorithms to medical data.

Professional Work

Shepherd Artisan Coffee   Miami, Florida
Barista   Fall 2016
· Learned to make cappuccinos.

Jones McClure Publishing   Houston, Texas
Software Development Intern   Summer 2013
· Prototyped a mobile version of the existing desktop website.

Tualatin Hills Park & Recreation District   Portland, Oregon
Swim Coach / Swim Instructor / Lifeguard   Summer 2010 to Summer 2012
· Coached the swim team; taught swim lessons; guarded lives.

Volunteer Work

The OpenDota Project {https://www.opendota.com}   online
Co-Founder / DevOps / Public Relations   Fall 2014 **to present**
· Writes and edits blog posts, as needed.
· Trained in site maintenance and administration.

· Involved in initial planning of site.

Rice University Queer Resource Center   Houston, Texas
Co-Founder / First President   Fall 2014 to Spring 2016
· Wrote a successful funding proposal to the Rice Undergraduate Student
  Association and was approved by the student body to receive $5,000.
· Facilitated discussion among ∼20 disparate committees ∼2 times/month.
· Headed the Sexual Assault Committee, co-headed Ally Training Committee,
  worked to hire a part-time staff person to support the Center, investigated
  founding a queer support group, and created the Center's website.

Out for Undergrad Technology Conference   San Francisco, California
Student Participant (selected by admissions committee)   25-27 September 2015
· Attended the conference (which is dedicated to helping
  high-achieving LGBTQ+ undergraduates in technological
  STEM fields reach their full potential in their careers).

Sid Richardson College Academic Fellows Program   Houston, Texas
Academic Fellow (Computer Science)   Fall 2014 to Spring 2016
· Held "open office hours" in which any student in any class
  could get help on any topic (related to computer science).
· Taught various "workshops" (related to computer science).
· Oversaw computer science fellowship within the college.

Rice University Peer Academic Advisor Program   Houston, Texas
Academic Advisor   Spring 2013 to Spring 2016
· Academically advised students within the college.

Rice University Student Ambassador Program   Houston, Texas
Student Ambassador   Spring 2013 to Spring 2016
· Gave tours of the university to "distinguished" guests.

Southridge High School Speech and Debate Team   Portland, Oregon
Capitan of Debate   2011-2012

Southridge High School Swim Team   Portland, Oregon
Co-Capitan   Winter 2011

Awards and Honors

Max Kade Travel Grant   Summer 2018
Brandeis GSAS Scholarship Grant   Fall 2017
Sid Richardson Athenian Award   Spring 2016
Rice Alumni Pride Award   Fall 2015
Rice President's Honor Roll   Fall 2014, Fall 2015

John and Harriet Millington Scholarship			Fall 2014, Fall 2015
Lon Wilson Service Award			Spring 2015
Genevieve Parkhill Lykes Scholarship			Fall 2014
Bracht-Verlander Scholarship			Fall 2012
National Merit Quarterfinalist			Spring 2012
National Honor Society			2011-2012

List of Coursework

Brandeis University

Philosophy Department

Course	Type	Instructor	Grade	Term
Mind — Burge, Millikan	*Graduate Seminar*	JS	A	Spring 2019
Language		EH	A	Spring 2019
Explanation and Causation		JM	A+	Spring 2019
Aristotle		PY	A	Spring 2019
Biomedical Ethics		EH	audit	Spring 2019
Rationality	*Independent Study*	BM	A	Fall 2018
Action		BM	A	Fall 2018
Kant — Pure Reason		KM	A+	Fall 2018
Metaethics — Parfit		EH	A	Fall 2018
Personal Identity		EH	audit	Fall 2018
Self-Knowledge		BM	audit	Fall 2018
Neuroethics		BC	audit	Fall 2018
Hume — Human Nature		JM	audit	Fall 2018
External World Skepticism	*Graduate Seminar*	BM	A	Spring 2018
Space and Time		EH	A	Spring 2018
Mathematical Logic		JM	A	Spring 2018
Wittgenstein — Investigations		EH	A	Spring 2018
Mind		JS	audit	Spring 2018
The Idea of God		PY	audit	Spring 2018
Descartes, Spinoza, Leibniz		JM	audit	Spring 2018
Proseminar	*Graduate Seminar*	AT	A	Fall 2017
Ethics and Emotions		KM	A	Fall 2017
Existentialism — The French		BM	A	Fall 2017
Hegel — Phenomenology of Spirit		ES	A	Fall 2017

other departments

Course	Dept	Instructor	Grade	Term
The Buddha	RELI	YF	audit	Spring 2019
History of Photography	ARTS	PK	audit	Spring 2019
Marx, Nietzsche, and 20thc Radicalism	POLI	BY	A-	Fall 2017

Rice University

Philosophy Department

Continental Philosophy	SC	A–	Spring 2016
History of Philosophy	CS	B+	Fall 2013
Social and Political Philosophy	GS	A–	Spring 2013

Computer Science Department

Advanced Topics in Object-Oriented Design	SW	B	Spring 2016
Advanced Computer Game Creation	JW	B+	Spring 2016
Tools and Models for Data Science	CJ	A	Fall 2015
Functional Programming	EA	A	Fall 2015
Operating Systems and Concurrent Programing	DJ	B	Spring 2015
Introduction to Computer Security	DW	A+	Spring 2015
Introduction to Object-Oriented Design	SW	A	Fall 2014
Reasoning About Algorithms	SC	A	Fall 2014
Compiler Construction	KC	A–	Fall 2014
Principles of Parallel Programming	VS	B	Spring 2014
Introduction to Computer Systems	AC	A–	Spring 2014
Introduction to Program Design	CJ	A	Fall 2013
Algorithmic Thinking	LN	A–	Spring 2013
Computational Thinking	DS	A	Fall 2012

other departments

Linear Algebra	CAAM	ME	A	Fall 2013
Multivariable Calculus	MATH	NK	A–	Spring 2013
Fundamentals of Computer Engineering	ELEC	JC	B–	Spring 2013
Ordinary Differential Equations	MATH	SB	B–	Fall 2012
Introduction to Computational Engineering	CAAM	SC	A+	Fall 2012

Southridge High School

IB Coursework

(HL) English	5(/7)	2011-2012
(SL) Spanish	6	2011
(SL) Psychology	5	2011
(SL) Chemistry	audit	2010
(HL) Physics	6	2011-2012
(HL) Math	6	2011-2012
(SL) Environmental Systems and Societies	6	2012
Extended Essay (English)	A	2012
Theory of Knowledge	B	2012

AP Coursework

US History		4(/5)	2010
Statistics		5	2010

Standardized Test Scores

GRE November 2015
- Writing: 4.5/6.0 (80th percentile)
- Verbal: 161/170 (87th percentile)
- Quantitative: 164/170 (88th percentile)

SAT 2,300/2,400 (99th percentile) October 2011
- Writing: 760/800 (99th percentile)
- Reading: 790/800 (99th percentile)
- Mathematics: 750/800 (97th percentile)

ACT 33/36 (98th percentile) February 2010
- English: 34/36 (98th percentile)
- Reading: 29/36 (86th percentile)
- Math: 30/36 (94th percentile)
- Science: 35/36 (99th percentile)

Language Proficiency

natural languages
- native/fluent: English
- moderate: Spanish, American Sign Language
- minimal: Latin

programming languages
- fluent: Java, Python, C, JS(/HTML/CSS), SQL, Matlab
- moderate: Bash, Scala, VB.Net

Miscellaneous Information

preferred pronouns: "they/them/their"

citizenship/nationality: USA

Myers-Briggs: INFJ