

Nicholas Hanson-Holtry

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Educational History

Brandeis University

Master of Arts in Philosophy

Fall 2017 to Spring 2019

Boston, Massachusetts

· GPA: TBD/4.00

· Thesis: TBD

Rice University, Sid Richardson College

Bachelor of Science in Computer Science

Fall 2012 to Spring 2016

Houston, Texas

· Overall GPA: 3.61/4.00

· Major GPA: 3.68/4.00

Southridge High School

International Baccalaureate Diploma

Fall 2010 to Spring 2012

Portland, Oregon

· GPA: 3.97/4.00

Pertinent Coursework

Brandeis University

Department of Philosophy

Marx, Nietzsche, and Twentieth-Century Radicalism

Fall 2017

Hegel: Self-Consciousness and Freedom in the Phenomenology of Spirit

Fall 2017

Philosophy of Mathematics

Fall 2017

Graduate Proseminar

Fall 2017

Rice University

Department of Philosophy

Continental Philosophy (A-)

Spring 2016

Mathematical Logic (audit)

Fall 2014

History of Philosophy II (audit)

Spring 2014

History of Philosophy I (B+)

Fall 2013

Social and Political Philosophy (A-)

Spring 2013

Department of Computer Science

Advanced Topics in Object-Oriented Design (B)

Spring 2016

Advanced Computer Game Creation (B+)

Spring 2016

Tools and Models for Data Science (A)

Fall 2015

Functional Programming (A)

Fall 2015

Operating Systems and Concurrent Programing (B)

Spring 2015

Introduction to Computer Security (A+)

Spring 2015

Reasoning about Algorithms (A)

Fall 2014

Compiler Construction (A-)	Fall 2014
Object-Oriented Design (A)	Fall 2014
Principles of Parallel Programming (B)	Spring 2014
Introduction to Computer Systems (A-)	Spring 2014
Introduction to Program Design (A)	Fall 2013
Algorithmic Thinking (A-)	Spring 2013
Fundamentals of Computer Engineering (B-)	Spring 2013
Computational Thinking (A)	Fall 2012
Introduction to Computational Engineering (A+)	Fall 2012

Professional History

Dr. Timothy Schroeder, Rice University, Philosophy
Consultant / Lead Developer (database + desktop website) Summer 2016 to present
online + Houston, Texas

- developing an open-source website and accompanying database of assertions and arguments made by professional philosophers

Shepherd Artisan Coffee October 2016
Barista (in training) Miami, Florida

Jones McClure Publishing Summer 2013
Software Development Intern (mobile website) Houston, Texas

Tualatin Hills Park & Recreation District Summer 2010 to Summer 2012
Lifeguard / Swim Instructor / Swim Coach Portland, Oregon

Academic Research Experience

Rice University

Department of Computer Science

Dr. Swarat Chaudhuri Summer 2015 to Fall 2015

- investigated a computational definition of ethical fairness (hiring practices sensitive to personal attributes like race, etc)
- investigated formal methods techniques to ensure fairness in probabilistic or machine learning classification algorithms
- investigated post hoc verification of fairness of a classification result

Dr. Vivek Sarkar Spring 2015

- investigated trade-offs among parallel `map` implementations
- optimized the parallel computing suite Habanero Java

Dr. Luay Nakhleh Summer 2014

- researched 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

Teaching Experience

Varsity Tutors

Fall 2016 to Summer 2017

Tutor (high school + undergraduate)

online + Miami, Florida

Rice University

Department of Applied Mathematics

Introduction to Computational Engineering

Spring 2013 to Spring 2016

with Dr. Steven Cox, Dr. Franklin Kenter, Dr. Illya Hicks

- taught one hour-long breakout section of the course once per week; each section contained between five and twenty students
- taught the main section of the course when the professor was unavailable; contained approximately one hundred students
- created original course content including two homework assignments
- held weekly office hours; graded assignments and exams

Department of Computer Science

Principles of Parallel Programming

Spring 2015, Spring 2016

with Dr. Vivek Sarkar, Dr. Eric Allen

- held weekly office hours; graded assignments and exams

Reasoning About Algorithms

Fall 2015

with Dr. Swarat Chaudhuri

- taught one hour-long tutorial session approximately bi-weekly; each session contained between five and twenty-five students
- held weekly office hours; graded assignments and exams

Computational Thinking

Fall 2013, Fall 2014

with Dr. Scott Rixner

- supervised a flipped-classroom environment; interacted with approximately fifteen students approximately ten times a week
- held weekly office hours; graded assignments and exams

Extracurricular Activities

Rice University Queer Resource Center (QRC)

Houston, Texas

Co-Founder and President

Fall 2014 to Spring 2016

- facilitated discussion among approximately twenty disparate committees
- wrote a successful funding proposal to the Rice Undergraduate Student Association and was approved by the student body to receive \$5,000
- headed the Sexual Assault Committee, worked to update Ally Training, worked to hire a part-time staff person to support the QRC, investigated founding a queer support group, and created the QRC's website

Out for Undergrad Technology Conference

San Francisco, California

Student Participant (selected by admissions committee)

25-27 September 2015

- attended OUTC: a non-profit conference dedicated to helping high-achieving LGBTQ undergraduates in technologically-relevant STEM fields reach their full potential in their careers

Sid Richardson College Academic Fellows Program

Fall 2014 to Spring 2016

Fellow

Houston, Texas

Rice University Peer Academic Advisor Program

Spring 2013 to Spring 2016

Advisor

Houston, Texas

Rice University Student Ambassador Program

Spring 2013 to Spring 2016

Ambassador

Houston, Texas

Awards and Honors

Sid Richardson Athenian Award

Spring 2016

Rice Alumni Pride Award

Fall 2015

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

AP Scholar with Honor

Spring 2012

National Honor Society

2011 to 2012

Standardized Test Scores

GRE

November 2015

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

SAT

October 2011

- Mathematics: 750/800 (97th percentile)
- Reading: 790/800 (99th percentile)
- Writing: 760/800 (99th percentile)

Miscellaneous Information

Citizenship: USA