Curriculum Vitae

Nicholas Hanson-Holtry

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Educational History

Brandeis University   Fall 2017 **to Spring 2019**
Master of Arts in Philosophy   Boston, Massachusetts
· GPA: TBD/4.00
· Thesis: TBD

Rice University, Sid Richardson College   Fall 2012 to Spring 2016
Bachelor of Science in Computer Science   Houston, Texas
· Overall GPA: 3.61/4.00
· Major GPA: 3.68/4.00

Southridge High School   Fall 2010 to Spring 2012
International Baccalaureate Diploma   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 — Summer 2016 **to present**
Product Manager / Developer (database + desktop website) — 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