

Curriculum Vitae

Daniel Herrmann
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EDUCATION

University of California, Irvine, CA **2017–Present**

- Intended Degree: PhD in Philosophy
- Department: Logic and Philosophy of Science

Quest University Canada, Squamish, BC **2013–2017**

- Bachelor of Arts and Science
- Major: Philosophy

Undergraduate Thesis: Solomonoff Induction: A Solution to the Zero Prior Problem

- A formal solution of the zero prior problem in the confirmation of universal hypotheses using Solomonoff induction
- Draws from both formal epistemology and computer science

WORK EXPERIENCE

AMBASSADOR, Quest University, Squamish, BC **Sept 2013–2017**

Supported the Admissions Department with the recruitment and retention of prospective students.

- Provided tours to campus guests, including prospective students and visiting dignitaries
- Assisted with on-campus events, such as Open Houses and Family Weekend
- Mentored over 15 incoming students per year
- Managed and edited admissions blog
- Provided general office support

INTERN, BenchSci, Toronto, ON **May–Aug 2016**

BenchSci uses machine learning to help scientists find antibodies for experiments. For my internship, I developed methods to extract information from scientific figures.

- Designed and built a proof of concept neural-network based optical character recognition method for challenging line-art heavy environments.
- Generated training and test datasets
- Created tools for generating future test and training datasets, evaluating different classifiers, and generating convolutional neural networks

INTERN, Quantum Technology Corporation, Squamish, BC

Feb–Mar 2014

Quantum Technology creates custom applications for industrial gases.

- Provided general office support
- Ordered parts and equipment
- Designed logos and signage
- Built helium purity meter.

COUNSELLOR, Play Loft, Toronto, Ontario

May-August 2014

Play Loft offers an enriching summer program for children in elementary and middle school.

- Designed and taught a science, math, and literature curriculum for summer students from ages 4-13 years
- Provided general office support
- Managed the organization's online blog

LEADERSHIP AND COMMUNITY INVOLVEMENT

EDITOR IN CHIEF, Quest Academic Journal

May 2016–2017

The Quest Academic Journal publishes work of Quest students in a variety of fields. The Editor-in-Chief is the head of the Editorial Board, which organizes and coordinates the journal.

- Organized the daily affairs of the Editorial Board
- Lead the discussion about the future direction of the journal
- Represented the journal to other bodies

CONFERENCE ORGANIZER, Our_Futures

May 2016–2017

Our_Futures is an academic conference aiming to lead the discussion about limitations and possibilities of technology. I am one of the original organizers of the conference.

- Liaised with and found Keynote Speakers and Workshop Leaders
- Coordinated with Quest administration to find space for the conference
- Created interest in Our_Futures both at Quest and in the surrounding academic communities

CLUB LEADER, Quest Philosophy Society

Sept 2015–2017

The Quest Philosophy Society is a group that organizes and promotes philosophy events for Quest students.

- Organized and facilitated philosophy symposia on a number of topics including Heraclitus, Parmenides, Nietzsche, and the philosophy of science

- Provided resources for students interested in philosophy

LOGIC TUTOR, Quest University

Dec 2016

Peer tutor for the *Logic and Metalogic* course offered by Darcy Otto, which focused on first-order logic and Turing's 1936 paper *On computable numbers with an application to the Entscheidungsproblem*.

- Provided one-on-one and group support for students
- Helped students understand sentential and first-order logic
- Prepared students for the exam

CONCENTRATION REPRESENTATIVE, Student Council

May 2015–May 2016

The Quest Student Council acts as the voice of students on campus, and advocates on behalf of students to the administration and other bodies. The Concentration Representative is an elected position, and is responsible for dealing with upper-year academic issues.

- Strengthened the tie between the Student Council and the Quest Academic Journal
- Worked with the Quest's Chief Academic Officer to improve student academic experience
- Collected student input on academics
- Evaluated and voted on funding proposals

EDITORIAL BOARD MEMBER, Quest Academic Journal

May 2015–May 2016

The Quest Academic Journal publishes work of Quest students in a variety of fields. The Editorial Board organizes and coordinates the journal.

- Provided support to the Editor-in-Chief in daily affairs of the journal
- Liaised with faculty members about their participation in the journal
- Communicated with students about the peer review process

PEER-REVIEWER, Quest Academic Journal

May 2014–May 2015

The Quest Academic Journal publishes work of Quest students in a variety of fields.

- Reviewed submitted papers for publication in the journal
- Helped to design the work-flow of peer-review process

AWARDS

Quest University Outstanding Academic

2017

- Top student in 3rd or 4th year

Quest University President's List

All Terms

- Academically in the top 10% of students

International NASA Space Settlement Design Contest

2014

- 3rd Place
- Designed an orbital space settlement