

James Payor

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Experience **Research Staff, Machine Intelligence Research Institute - Berkeley, USA**

December 2017 - Present

Technical research in the field of AI Alignment.

Co-founder and CTO, Draftable - Melbourne, Australia

June 2015 - December 2017

Building what version control should be for Office documents. Developing comparison algorithms and interfaces, and methods for reconstructing document history.

Education **Massachusetts Institute of Technology - Cambridge, USA**

August 2014 - May 2015

Discontinued B.S. in Mathematics with Computer Science

2015 Spring Randomized Algorithms (A), Algebra II (A), Network and Computer Security (A),
Calculus II (A), Undergraduate Advanced Project (C)

2014 Fall * Advanced Algorithms, Algebra I, Introduction to EECS, Physics I, Linear Algebra,
Problems of Philosophy, Calculus I

* First semester grades are not given at MIT

University of New South Wales - Sydney, Australia

March 2014 - July 2014

Discontinued B.Sc. in Computer Science

2014 Fall Extended Operating Systems (HD), Computer Security Workshop (HD)

2012 Fall Introduction to Computing (HD)

Achievements **International Olympiad in Informatics - Brisbane, Australia (July 2013)**

Selected as one of four students representing Australia at the 2013 IOI.

Awarded a Silver Medal at the IOI, placed 45th of 299 contestants.

Australian Informatics Olympiads (2013)

Gold Medals in Australian Informatics and Invitational Informatics Olympiads in 2013.

Australian Science Olympiads (2013)

Gold Medals in Australian Physics and Biology Olympiads. Invited to training camps.

Computer Security Competitions (2014)

Member of teams qualifying for Defcon 2014 finals, and CSAW 2014 finals.

Publications **Flow Rounding (July 2015)**

with Donggu Kang - <http://arxiv.org/abs/1507.08139>

Gives approaches for rounding fractional solutions to integral ones in nearly linear time for a variety of flow problems.

Methods and Systems for Improved Document Comparison (April 2014)

PCT/AU2014/000433

Improved text comparison algorithms and UI for documents, and an approach for reconstructing the history of a set of documents by content and other predictors.