

Aram Dermenjian

+1 (514) 568 5794
✉ aram.dermenjian@gmail.com

Academic Experience

- **Visiting Researcher**, *Université du Québec à Montréal (LACIM)*, Montréal, Canada.
(May 2015 - June 2015)
- **Visiting Researcher**, *L'École Polytechnique (LIX)*, Paris, France.
(Feb 2015 - Apr 2015)

Professional Experience

- **Director of Applied Technologies [volunteer]**, *Delta Lambda Phi Fraternity*, USA.
(June 2010 - June 2015)
Created a website for event and member management.
- **Graduate Developer**, *Ampersand E-Commerce*, Manchester, UK.
(Sept 2014 - Jan 2015)
Used Magento for the creation of e-commerce websites.
- **PHP Developer**, *BetterEdge Technology*, Chandler, AZ, USA.
(July 2012 - Sept 2013)
Used PHP to create e-commerce websites.
- **PHP Developer [Consultant]**, *Spring Studio*, San Francisco, CA, USA.
(June 2012 - Dec 2012)
Used jQuery for the creation of mobile websites.
- **Software Engineer**, *Bright Media Inc.*, San Francisco, CA, USA.
(Sept 2011 - May 2012)
Used PHP for the creation of a job-search website.
- **PHP Developer**, *Quinstreet Inc.*, Foster City, CA, USA.
(Oct 2010 - Aug 2011)
Used PHP for the creation of education websites.
- **PHP Developer and Network administrator**, *Spring Studio*, Sausalito, CA, USA.
(Dec 2008 - Sept 2010)
Used PHP for the creation of e-commerce websites.

Education

- **Ph.D. in Mathematics (in progress)**, *Université du Québec à Montréal*, Montréal, Canada, (Expected Graduation in 2019).
Supervisors: Christophe Hohlweg and Vincent Pilaud (L'École Polytechnique, Paris, France)
- **M.Sc. Pure Mathematics and Mathematical Logic**, *University of Manchester*, Manchester, UK, (2013 - 2014).
- **Bachelor of Science Mathematics**, *University of California*, Davis, CA, (2004 - 2008).
 - The final year (2007-2008) was completed at Leeds University, Leeds, United Kingdom, under a study abroad program.

Research Funds

- **ISM Graduate Scholarship**, *Institute of Mathematical Sciences*, \$12,833, (2016 - 2017).
- **Fee exemption Scholarship**, *UQÀM*, (2015 - 2016).
- **ISM Graduate Scholarship**, *Institute of Mathematical Sciences*, \$14,000, (2015 - 2016).

Research Interests

My area of interest lies primarily in algebraic combinatorics and geometry. Primarily I'm interested in Coxeter groups, root systems, and Cluster algebras

Research Contributions

Other refereed contributions to research

- A. Dermenjian, C. Hohlweg, V. Pilaud. *The facial weak order in finite Coxeter groups to appear in proceedings FPSAC 2016 (Vancouver, July 2016)*.

Prepublication (submitted)

- A. Dermenjian, C. Hohlweg, V. Pilaud. *The facial weak order and its lattice quotients (2016, arXiv:1602.03158, 40p.)*.

Master's Thesis

- Aram Dermenjian, *Noncrossing partitions of Coxeter groups*, Master Thesis, University of Manchester, September 2014, 146 pages.

Seminar Talks

- *The facial weak order in finite Coxeter groups*
 - *FPSAC 2016, Vancouver, Canada (July 2016)* \$800 travel scholarship awarded by the NSF
 - *2016 CMS Summer Meeting, Edmonton, Canada (June 2016)*
 - *19th Panquebec student colloquium of the ISM, Montreal, Canada (May 2016)*
- *The facial weak order and its lattice quotients*
 - *Algebraic Combinatorics and Group Actions, Herstmonceux Castle, UK (July 2016)* \$2,000 travel scholarship awarded
 - *Séminaire Lotharingien de Combinatoire, Strasbourg, France (April 2016)* \$500 travel scholarship awarded by the Institute of Mathematical Sciences
- *Introduction to Python*
 - *Sage Days 78: Combinatorics, Vancouver, BC, Canada (June 2016)*
- Became first masters student to present in discrete seminar. Topic: "Coxeter groups and noncrossing partition graphs".

■ Conferences participated in without giving a talk

- 2015 CMS Winter Meeting, Montréal, Canada (December 2015)
- Sage Days 64.5: Cluster Algebras, Minneapolis, MN, USA (June 2015)
- Sixty sixth British Mathematical Colloquium, London, UK (April 2014)
- Non-crossing partitions in representation theory workshop, Bielefeld, Germany (June 2014)

■ Community Services

- Co-chair of the Canadian Mathematical Society Student Committee. (2016 - present)
- Organiser of the Postgraduate student seminar in mathematics at UQAM. (2015 - present)
- Postgraduate representative in the Masters and PhD program committee for mathematics at UQAM. (2015 - present)
- Treasurer for the postgraduate students in mathematics association at UQAM. (2015 - present)
- Volunteer for the environmental committee of the science student association at UQAM. (2015 - present)
- Represented the pure mathematics students as a representative on the postgrad student staff liaison board at the University of Manchester.
- Choreographed and participated in a modern dance routine for Dance Expose society for their annual show.