

# Aram Dermenjian

## Summary

An ex-programmer looking for part-time work at a financial institution.

## Education

- **Ph.D. Pure Mathematics**, *Université du Québec à Montréal*, Montréal, Canada, (2015 - Present).
- **M.Sc. Pure Mathematics and Mathematical Logic**, *University of Manchester*, Manchester, UK, (2013 - 2014).  
Dissertation: "Combinatorics of Coxeter groups"
  - Represented pure mathematics students as a representative on the postgrad student staff liaison board.
  - Became first masters student to present in discrete seminar.
  - Completed a project on crystallographic root systems and their evolution from Lie algebras.
- **Bachelor of Science Mathematics**, *University of California*, Davis, CA, (2004 - 2008).
  - Led my social fraternity to double in size as president.
  - Participated in honours physics program in which out of over 100 starting students only 11 of us remained at the end.
  - Completed a project on the isometries of non-Euclidean geometries.
  - Choreographed and participated in a modern dance routine for Dance Expose society's annual show.
  - Did my final year (2007-2008) at Leeds University, Leeds, UK as a study abroad student.

## Professional Experience

- **Director of Applied Technologies [volunteer]**, *Delta Lambda Phi Fraternity*, USA.  
(June 2010 - June 2015)
  - Developed a membership directory and event registration website using CodeIgniter, SASS, Smarty, git, memcached and MySQL.
  - Admin for Atlassian products (JIRA, Confluence, Crowd, Bamboo and Fisheye/Crucible).
  - Transferred data from an outdated MySQL schema to a more modern approach.
  - Designed and implemented an algorithm for a competition in order to calculate a winner based on different parameters an individual group might possess.
  - Created a script that analyses questionnaire submissions and calculates word and phrase frequency with certain words and phrases excluded.
- **Graduate Developer**, *Ampersand E-Commerce*, Manchester, UK.  
(Sept 2014 - Jan 2015)
  - Used Magento as a platform to build e-commerce websites.
- **PHP Developer**, *BetterEdge Technology*, Chandler, AZ, USA.  
(July 2012 - Sept 2013)
  - Managed a portfolio of different websites using CodeIgniter and WordPress.
  - Created an automated PDF report generator for available houses based on search parameters of users.
- **PHP Developer [Consultant]**, *Spring Studio*, San Francisco, CA, USA.  
(June 2012 - Dec 2012)
  - Developed a prototype for an iPhone app for a major bank using jQuery.
  - Added functionality and developed mobile friendly websites.

- **Software Engineer**, *Bright Media Inc. (now part of LinkedIn)*, San Francisco, CA, USA.  
(Sept 2011 - May 2012)
  - Helped develop a resume parsing system which took data from a resume and integrated it into the user's profile.
  - Collaborated with a team on creating a video game for recruitment purposes.
  - Worked with interactions between SOLR and MySQL in order to produce faster query results.
  - Created a job daemon to handle all back-end jobs which used PHP to interact with bash.
- **PHP Developer**, *Quinstreet Inc.*, Foster City, CA, USA.  
(Oct 2010 - Aug 2011)
  - Devised a data manipulation application where we transferred and reformatted data from the US government on US education institutions into our MySQL database.
  - Managed 130+ websites with a team of developers by merging the codebase into a more cohesive structure using CodeIgniter.
  - Developed two new websites for our systems in a cross-browser friendly manner.
  - Led an effort to begin basic testing standards by developing Selenium scripts for our QA and integrating PHPUnit into CodeIgniter for PHP testing.
- **PHP Developer and Network administrator**, *Spring Studio*, Sausalito, CA, USA.  
(Dec 2008 - Sept 2010)
  - Developed PHP applications for numerous Yahoo store merchants such as WYSIWYG emailers, product review systems, and shopping cart recovery system.
  - Created JavaScript programs using jQuery and mootools to improve user experience while browsing the store.
  - Began work on a JavaScript framework.
  - Implemented clean, cross-browser compatible websites.
  - Developed in-house applications using Visual Basic to increase performance and speed.

## ■ Languages

Armenian **Fluent**  
 English **Fluent**  
 French **Basic - Learning**