

Aram Dermenjian

Junior-Mid Web Developer / Entry-level Data Scientist
Toronto, Ontario – Willing to relocate or work remotely

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Summary

12+ years of programming experience. The last 5+ years consisting of volunteer work as a python developer for sagemath: an open-source mathematics software build in python. The 7+ years before that as a full-stack and back-end web developer using PHP, MySQL, javascript, etc.

A strong thirst for knowledge and constantly learning new technologies and languages. Known as dependable, a team player and continually striving to exceed expectations.

Technical Skills

PHP: 12+ years	Python: 5+ years	Selenium: 1 year
HTML/HTML5: 12+ years	Git: 12+ years	SOLR: 1 year
CSS/CSS3: 12+ years	bash: 12+ years	Visual Basic: 2+ year
JavaScript: 12+ years	linux: 12+ years	
MySQL: 12+ years	sagemath: 5+ years	

Frameworks/MVCs/etc.....

CakePHP (PHP): 2+ years	jQuery (javascript): 7+ years
Codeigniter (PHP): 5+ years	mootools (javascript): 2+ years
Laravel (PHP): 2+ years	SASS (css): 2+ years
Magento (PHP): <1 year	Pelican (Python): 1+ years
Wordpress (PHP): 12+ years	

Experience

Professional Experience.....

Delta Lambda Phi

USA

Director of Applied Technologies [volunteer], Fraternity

2010 - 2015

- o Developed a membership directory and event registration website using codeigniter, SASS, git and MySQL.
- o Transferred data from an outdated MySQL schema to a more modern approach.
- o Designed and implemented an algorithm for a competition in order to calculate a winner based on different parameters an individual group might possess.
- o Created a script that analyses questionnaire submissions and calculates word and phrase frequency with certain words and phrases excluded.

Ampersand E-Commerce*Graduate Developer***Manchester, UK**

2014 - 2015

- Used Magento as a platform to build e-commerce websites.

BetterEdge Technology*PHP Developer***Chandler, AZ, USA**

2012 - 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.

Spring Studio*PHP Developer, Consultant***San Francisco, CA, USA**

2012

- Developed a prototype for an iPhone app for a major bank using jQuery.
- Added functionality and developed mobile friendly websites.

Bright Media Inc. (now part of LinkedIn)*Software Engineer***San Francisco, CA, USA**

2011 - 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.

Quinstreet Inc.*PHP Developer***Foster City, CA, USA**

2010 - 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.
- Created a javascript based coverflow similar to that found in previous versions of iTunes.
- Led an effort to begin basic testing standards by developing Selenium scripts for our QA.

Spring Studio*PHP Developer and Network administrator***Sausalito, CA, USA**

2008 - 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 our performance and speed.

Academic Experience.....

York University **Toronto, Canada**
Postdoctoral Research Fellow 2019 - 2020

- o Used sagemath and python to do mathematical research.

L'École Polytechnique **Paris, France**
Université du Québec à Montréal **Montréal, Canada**
Visiting Researcher 2015

Teaching Experience.....

York University **Toronto, Canada**
Lecturer, MATH 1013M Applied Calculus I (taught in English) Winter 2020

UQAM **Montréal, Canada**
Lecturer, MAT 0344 Integration Calculus (taught in French) Fall 2018
Lecturer, MAT 1600 Matrix Algebra - for computer scientists (taught in French) Fall 2017
Teaching Assistant, INF 1130 Discrete Mathematics Winter 2017
Teaching Assistant, INF 1130 Discrete Mathematics Fall 2016

Education

UQAM **Montréal, Canada**
Ph.D, Mathematics 2015 - 2019

- o Contributed to sagemath: an open-source mathematics software built on python.

University of Manchester **Manchester, UK**
M.Sc., Pure Mathematics and Mathematical Logic 2013 - 2014

University of California **Davis, CA**
Bachelor of Science, Mathematics 2004 - 2008

Leeds University **Leeds, UK**
Study Abroad, Mathematics 2007 - 2008

Languages

English: C2 *Primary language.*

French: C1 *Advanced Level.*

Spanish: A2 *Basic Level.*

Armenian: B2 *Mother tongue.*

Note: The proficiency of each language is given using the Council of Europe's "Common European Framework of Reference for Languages". The scale from most basic comprehension to most advanced is: A1, A2, B1, B2, C1, and C2.