

Aram Dermenjian

Barcelona – Spain

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🌐 www.dermenjian.com/resume • in aram-dermenjian

Summary

A strong thirst for knowledge and constantly learning new technologies and languages. Over 15 years of programming experience: 7 years of experience working as a full-stack developer and 8 years as a research mathematician contributing to the open source python project SageMath. Known as dependable, a team player and continually striving to exceed expectations. Looking to reignite career in programming. If needed, I have a lawyer to help with obtaining a visa in under a month.

Technical Skills

Number in brackets represents years of work experience.

bash/linux: (15)	JavaScript: (12)	Python: (8)	SOLR: (1)
Git: (15)	MySQL: (12)	sagemath: (8)	subversion: (2)
HTML/CSS: (12)	PHP: (12)	Selenium: (1)	Visual Basic: (2)

Additionally, have studied: **C, C#, Java, Kotlin, and lua.**

Frameworks/MVCs/etc......

CakePHP: (2)	jQuery: (7)	Pelican: (4)
Codeigniter: (5)	mootools: (2)	SASS: (2)
Laravel: (2)	Magento: (<1)	Wordpress: (12)

Systems.....

Bitbucket: (10)	Github: (10)	Jupyter: (4)	Unity: (<1)
Confluence: (7)	JIRA: (12)	Trello: (2)	

Experience

Visiting Researcher in Mathematics

University of Manchester

Remote/Online

Oct 2023 - Present

- Used sagemath and python to perform mathematical research.

Heilbronn Research Fellow in Mathematics

University of Manchester

Manchester, UK

Oct 2021 - Sept 2023

- Used sagemath and python to perform mathematical research.
- Published three articles.
- Taught maths courses. (Introduction to Geometry)

Postdoctoral Research Fellow in Mathematics

York University

Toronto, Canada

Sept 2019 - Sept 2021

- Used sagemath and python to perform mathematical research.
- Published two articles.
- Taught maths courses. (Elementary Probability; Calculus I)

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*Spring Studio, Consultant***San Francisco, CA, USA***June 2012 - Dec 2012*

- Developed a prototype for an iPhone app for a major bank using jQuery.

Software Engineer*Bright Media Inc. (now part of LinkedIn)***San Francisco, CA, USA***Sept 2011 - May 2012*

- Developed a resume parser, taking data from a resume and integrated it into the user's profile.
- 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 and in a cross-browser friendly manner.
- Led an effort to begin basic testing standards by developing Selenium scripts for our QA.

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 & MySQL.
- 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.

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.
- Developed in-house applications using Visual Basic to increase our performance and speed.

Education

Université du Québec à Montréal*Ph.D, Mathematics***Montréal, Canada***2015 - 2019***University of Manchester***M.Sc., Pure Mathematics and Mathematical Logic***Manchester, UK***2013 - 2014***University of California***Bachelor of Science, Mathematics***Davis, CA, USA***2004 - 2008***Languages**

English (C2), Spanish (B2), Catalan (A1), French (C1), Armenian (B2)