Aram Dermenjian

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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. I have a lawyer to help obtain a Highly Qualified Persons visa from the UGE if needed. This permit takes a maximum of 20 days to obtain and requires less work than the standard ones.

Technical Skills

Numbers represent years of work experience.

bash/linux: 15	**Git**: 15	**HTML/CSS**: 12	**JavaScript**: 12	**Latex**: 8
LAMP: 7	**MySQL**: 12	**PHP**: 12	**Python**: 8	**REST APIs**: 7
sagemath: 8	**Selenium**: 1	**SOLR**: 1	**subversion**: 2	**Visual Basic**: 2

Additionally, have a basic understanding of: **C**, **C#**, **Java**, **Kotlin**, and **lua**.

Frameworks/MVCs/etc.

CakePHP: 2	**Codeigniter**: 5	**Laravel**: 2	**jQuery**: 7
mootools: 2	**Magento**: 1	**Pelican**: 4	**Wordpress**: 12

Additionally, have a basic understanding of: **React** and **React Native**.

Systems

AWS: 5	**Bitbucket**: 10	**Confluence**: 7	**Github**: 10
JIRA: 12	**Jupyter**: 4	**Trello**: 2	

Experience

Visiting Researcher in Mathematics — Remote/Online
University of Manchester — *Oct 2023 - Present*
- Used sagemath and python to perform mathematical research.

Heilbronn Research Fellow in Mathematics — Manchester, UK
University of Manchester — *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 — Toronto, Canada
York University — *Sept 2019 - Sept 2021*
- Used sagemath and python to perform mathematical research.
- Published two articles.
- Taught maths courses. (Elementary Probability; Calculus I)

Graduate Developer — Manchester, UK
Ampersand E-Commerce — *Sept 2014 - Jan 2015*
- Used Magento as a platform to build e-commerce websites.

PHP Developer   **Chandler, AZ, USA**
BetterEdge Technology   *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   **San Francisco, CA, USA**
Spring Studio, Consultant   *June 2012 - Dec 2012*
- Developed a prototype for an iPhone app for a major bank using jQuery.

Software Engineer   **San Francisco, CA, USA**
Bright Media Inc. (now part of LinkedIn)   *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   **Foster City, CA, USA**
Quinstreet Inc.   *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]   **USA**
Delta Lambda Phi, Fraternity   *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   **Sausalito, CA, USA**
Spring Studio   *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   **Montréal, Canada**
Ph.D, Mathematics   *2015 - 2019*

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

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

Languages

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