Taha **Pourjalali**

PROGRAMMER · APPLICATION DEVELOPER

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Skills

Programming	PHP, JavaScript, Java, C/C++, Python
Frameworks & Libraries	Zend Framework, Express, Angular1, Ionic, Bootstrap, D3, jQuery
Softwares & Databases	Git, Apache, MySQL, PostgreSQL, MongoDB

Projects

Find links and more detailed description of my projects on my online portfolio at tahahojati.github.io.

OPIHI: OUR PROJECT IN HAWAII'S INTERTIDAL

Designed a science education database schema using MySQL. Developed a server-side web application using Zend Framework, D3, and Apache2.

AASHTO LRFD DESIGN ONLINE SOFTWARE

Online software for facilitating structural engineering design. It can calculate the tension for steel beams used for building structures and create pdf reports. The website is developed using MEAN framework. Sign up and usage is free. A link is available on my online portfolio.

FARM AKAMAI

And android app for teaching methods and standards of farming to farmers who cannot understand English. I was the lead developer for the project. The project was the recipient of the second place award in the Hawaii Agriculture Hackathon (AgathonHI) in 2018.

RISTORANTE CON FUSION

Developed a single page web application for a fictitious restaurant using Angular.js and Bootstrap. Also created a hybrid mobile app for the restaurant using Ionic and Cordova.

COFFEE IN HONOLULU

Displayed a map of coffee shops in Honolulu using Knockout.js framework and Google Maps and FourSquare APIs.

FROGGER

Wrote a JavaScript version of the classic arcade game Frogger. Made extensive use of object oriented JavaScript.

Experience

First Hawaiian Bank   *Honolulu, HI*

PROGRAMMER ANALYST   *Nov 2016 - present*

- Maintained and extended a complex legacy application used by bank tellers, paying attention to quality assurance of released code.
- Resolved various production issues/bugs in a timely manner, maintaining a high satisfaction score.
- Maintained numerous servers using Python, Perl and Batch scripts.
- Successfully collaborated with a sizable IT team to deliver a major project.
- Fixed a growing queue of unresolved bugs, some over four years old.

Curriculum Research and Development Group at University of Hawaiʻi at Mānoa   *Honolulu, HI*

WEB AND DATABASE DEVELOPER   *Apr 2016 - present*

- Designed and developed opihi.crdg.hawaii.edu from scratch using the Zend php framework, being mindful of best security practices and also accessibility of the website for handicap users.
- Worked with non-technical clients to define software requirements and design the ideal look and feel for the website.
- Used D3.js to create beautiful and responsive graphs for analyzing scientific data collected by students.

First Unitarian Church of Hawaii   *Honolulu, HI*

WEBSITE ADMINISTRATOR   *Jan 2018 - present*

- This is volunteer position. I upkeep, troubleshoot, and extend the functionality of a wordpress based website for the First Unitarian Church of Hawaii.

University of Hawaiʻi at Mānoa   *Honolulu, HI*

FRONT END DEVELOPER   *Oct 2016 - Mar 2017*

- Worked with Dr. Kaveh Abhari to create a vibrant data-analysis page for Stemd2.com (an educational website.)
- Developed a preliminary front-end framework to include multiple data-enabled widgets on the page.
- Reverse-engineered a sophisticated word-press plugin and wrote custom php code to extend its functionality.

Hasti LLC *Honolulu, HI*

Web Developer *June 2016 - Nov 2016*

- Software developer for the AASHTO LRFD project.

Kai Hawaii Structural and Forensic Engineers *Honolulu, HI*

IT Support *September 2016 - Nov 2016*

- Provide general technical assistance to engineers. Perform regular server maintenance duties.
- Worked to debug internal programs including Microsoft Outlook plug ins.

Department of Physics University of Hawai'i at Mānoa *Honolulu, HI*

Directed Studies Under Dr. Vahsen *2013*

- Devised an app with graphical user interface to select, display, and graph neutron trajectories identified by a neutron detector using C++ and ROOT under the guidance of Dr. Sven Vahsen.

Undergraduate Research Assistant *Honolulu, HI*

Department of Molecular Biosciences and Bioengineering at University of Hawai'i at Mānoa *2011-2013*

- Created a database of retro-transposons in Corn genome using MySQL and Perl.
- Created a website to expose the database to public using PHP5 and Appache2.

Honors & Awards

2018   **2nd Place,** Hawaii Agriculture Hackathon (Agathon) *Honolulu, HI*

Education

University of Hawai'i at Mānoa *Honolulu, HI*

B.S. in Physics *2011 - 2016*

- Membership in the Society of Physics Students and the Golden Key Honor Society.

Udacity.com *Honolulu, HI*

Nanodegree in Android Development with Grow with Google Scholarship *2018 (Ongoing)*

I was one of the recipients of the Grow with Google scholarship for Android Development curriculum on Udacity.com. The program will finish later in 2018.

Coursera.com *Honolulu, HI*

Certificate in Full Stack Development from the Hong Kong University of Science and Technology *2016*

Udacity.com *Honolulu, HI*

Nanodegree in Front-End Development *2016*

Coursera.com *Honolulu, HI*

Certificate in Full Stack Development from the Hong Kong University of Science and Technology *2016*