Gela Malek Pour

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Education

STATE UNIVERSITY OF NEW YORK AT BUFFALO | BACHELOR'S IN PROGRESS | MAY 2016

· Major: Computer Science (BS)   · Beth Cheshire Moran Scholarship recipient (Spring 2015)

Skills & Abilities

PROGRAMMING LANGUAGES

· Proficient: C/C++, Java, SQL, HTML/CSS   · Familiar with: PHP, JavaScript, Python, SQL

TOOLS AND FRAMEWORKS

Android SDK — Git — JUnit — Linux and Mac OS — Databases — Jenkins

Work Experience

STUDENT ASSISTANT WEB DEVELOPER | COLLEGE OF ARTS AND SCIENCES AT UB – BUFFALO, NY | APRIL 2015 – PRESENT

· Redesign and upgrade various websites and move them to WordPress using HTML, CSS and PHP.

· Train clients on new web tools and CMS.

SOFTWARE ENGINEER INTERN | ESRI – REDLANDS, CA | MAY 2015 – AUGUST 2015

· Created a test design and ensured that it covers all aspects of the API functionality including performance under intensive computations and corner cases using C++, CppUnit, and Boost

· Designed and developed functional tests for the Common API used by various platforms at Esri

· Monitored tests running on Jenkins on a daily basis to detect and debug failures

STUDENT ASSISTANT WEB DEVELOPER | OFFICE OF WEB SERVICES AT UB – BUFFALO, NY | APRIL 2014 – APRIL 2015

· Designed and implemented various webpages

· Redesigned outdated websites to be responsive using HTML, CSS, JavaScript and Foundation

· Generated monthly Google Analytics reports.

ASSISTANT CREATIVE DIRECTOR | THE SPECTRUM PUBLICATION – BUFFALO, NY | MAY 2014 – DECEMBER 2014

· Generated graphics content using Photoshop and InDesign.

· Laid out, organized, and reviewed each newspaper issue before sending it to the publisher.

Projects

· **The Maybe Mobile System [August 2015 – Present]:** Researching structured uncertainty through a new language construct to allow the programmer to defer choices to runtime instead. Modify APKs to introduce this syntax and support flexible decision making.

· **Hackathon Organizer – Website Team [Fall 2015]:** Designed and developed the web app for University at Buffalo's biggest annual hackathon using HTML, CSS3, JavaScript and Python. Hackers can create accounts and make teams while sponsors and recruiters are able to efficiently search all resume contents and filter results to find the most qualified talents. Website is live at www.ubhacking.com.

· **Harvard OS/161 Operating System [Spring 2015]:** Designed and implemented virtual memory and page table for the Linux based Operating system OS/161 to handle TLB and page faults to run user processes without leaking memory in C.

· **Doolli Hackathon Android App [3rd place – Spring 2015]:** Developed an Android app in 6 hours using Java and Android SDK to make groups with similar interests find each other, communicate, and meet up, and then eventually rate their experience on the app.

· **Balance and Vision Assistive Headgear [Fall 2014]:** Using an Arduino and C language implemented a wearable hat with built in sensors, accelerometer and a small vibrator machine to assist patients with balance disorder to maintain balance and avoid obstacles.

Activities & Membership

· **President and founder of the National Organization of Scientista [Fall 2014 - Present]:** Lead a group of 5 e-board members to hold monthly events on campus, offer scholarships, and hold panel discussions to empower pre-professional women majoring in STEM.

· **Diversity Committee [Aug 2015 – Present]:** Working with computer science faculties in the computer science department to increase female and minority representation through planning events and discussions.

· **CSE Undergraduate Advisory Board [June 2015 – Present]:** Acting as a medium between students and the computer science faculties to improve interaction and deliver student feedback and suggestions to the department.