Behnam Azizi

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EDUCATION

SIMON FRASER UNIVERSITY
BSc in Computer Science
Graduation: Dec 2015
Cumulative GPA: 3.02

LINKS

Website:// **www.sfu.ca/~bazizi**
Github:// **github.com/bazizi**

EXPERTISE

AREAS
Test Automation
Web Development
Databases
HTML5 Game Development
Artificial Intelligence
Algorithms and Data Structures
Numerical Analysis

SKILLS

PROGRAMMING

Over 3000 lines:
Java • Python • PHP • JavaScript
MATLAB • HTML/CSS

Over 1000 lines:
C++ • VHDL • SQL Server • SQLite

Familiar:
Android

FRAMEWORKS
Selenium • Laravel • jQuery • AngularJS • YUI • Bootstrap

version control
Git • Subversion

Operating Systems
Linux Mint • Ubuntu • Lubuntu • Windows • OSX

MISCELLANEOUS
Adobe Photoshop • LaTeX

WORK EXPERIENCE

SFU IT SERVICES QA Developer
Python/Selenium and REST API — May - Dec 2014

- Automated testing of software using **Selenium**, Python and Robot Framework **(5000 lines of code)**
- Developed a Python framework that automated documentation of test results on Jira (Zephyr) using Zephyr REST API
- Utilized **AngularJS** framework to create an interactive web page where other colleagues could easily search for Robot Framework commands
  (Please click here to view)
- Created a documentation page for installation and usage instructions of the custom library developed. (Please click here to view)
- Developed and published an open-source framework in Python, that can query ServiceNow database tables using REST API
  (Please click here to view on GitHub)
- Published the open-source framework on PyPI (Python Package Index)
  (Please click here to view package info on PyPI)

PROJECTS

ARTIFICIAL INTELLIGENCE Racket and Matlab
Computer Vision using Matlab — Jan - Apr 2015

- Wrote a program in **Matlab** that detected location of cigarettes inside an image
- Developed a program that determined the 3D shape of 2D object using Photometric Stereo
- Utilized method of histogram color indexing to track movement of an object in a video

Introduction to Artificial Intelligence — Sep - Dec 2013

- Developed a program that solved a maze using Racket programming language

APPLICATION DEVELOPMENT Java/Javascript/PHP/C++
Javascript Game Development — Sep 2013 - Present

- Developed a 2D shooting game using HTML5 and JavaScript **(1000 lines of code)**
  (Please click here to play TurtleWarrior)
- Developed a retro-style snake game usign HTML5 and JavaScript that could be played on mobile devices as well as PC **(500 lines of code)**
  (Please click here to play Wormy)
- Published source codes of games developed as open-source projects
  (Please click here to view on GitHub)

APPLICATION DEVELOPMENT (CONTINUED) Java/Javascript/PHP/C++

PHP Web Development Sep 2011 - Present

- Created a personal website with several pages on SFU domain where published previous games and applications (Please click here to view my website)
- Developed a file sharing website using **Laravel framework** to send files across multiple devices at home

Kryptonite - Hard disk encryption utility Jan - Apr 2015

- Developed a desktop application using **Java** that encrypts files using bitwise Vigenere cipher **(1500 lines of code)**
  (Please click here to view)

Streamlined Marking System - A grading system in **Java/SQL** Jan - Apr 2014

- As part of a course project, developed an **object-oriented** application utilizing **Java** and MSSQL that allowed instructors to store, access, and modify information of students such as grades, and activities **(7000 lines of code)**
- Gained practival programming skills while working on project as one of the three main developers of the team

MyChecklist - A Chrome extension made using jQuery and Javascript Dec - Jan 2013

- Created an extension application for **Google Chrome** using **JavaScript** and **JQuery** that enables users to keep track of a list of their to-do tasks **(500 lines of code)**
- Utilized localStorage functionality of **JavaScript** to store and retrieve user information locally and even without internet connection
- Applied JQuery UI library to add more user-friendly interface to the application
- Published the application on Chrome Web Store for users to download for free and reached 721 user downloads

Data structures and algorithms in C++ Jan - Apr 2013

- Developed a program that extracted keywords from a book and stored them in a hash table
- Became familiar with data structures and computational efficiency of algorithms while working on several related assignments

INTERESTS AND OTHER ACTIVITIES

Public Data Hacking using Python Jan 2013 - Present

- Utilized **Python** and **SeleniumLibrary** and wrote a script that added **more than 1000 connections** to my LinkedIn network
- Wrote a Python script that extracted names, and ratings of all SFU professors from *ratemyprofessors.com* in **JSON** format and converted to Microsoft Excel CSV
  (Please click here to download CSV)
- Implemented a **Web Crawler** in Python that could traverse web pages on a given domain and find webpages that contained certain keywords
  (Please click here to learn more)
- Developed a Python script that could communicate with **Facebook** through its **Graph API** and do tasks such as creating and reading new comments and posts on Facebook

AWARDS

2011 SFU Summit Entrance Scholarship