

George Guja

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Skills

Software/Databases

- ❖ MySQL, SQL Server 2014
- ❖ GIT, Eclipse, NetBeans, Sublime, Android Studio, Active Directory, MS Project, Visual Studio, Visio

Programming Languages

- ❖ Java, VB.NET, C#, Python, JavaScript, JQuery, PHP, SQL,HTML5/CSS3, Ruby on Rails

Operating Systems

- ❖ Windows (2000,XP,7/8)
- ❖ Linux (Ubuntu/BackTrack)
- ❖ Mac OS X(Mavericks)

Job Relevant Courses

- ❖ Data Structures and Algorithms, Database Theory, Software Quality and Testing, Project Management I.T

Work Experience

Workstation Software Specialist
Mohawk College

May 2015 - Present

- ❖ Assisted with the building and testing of individual software and bundled software images.
- ❖ Provided quality assurance by validating academic software images to ensure they meet our standard of efficiency and are error free.
- ❖ Performed a high level of troubleshooting on faulty software packages which involves changes to the Windows Registry and changes to the program code to ensure functionality on our images.
- ❖ Created and followed test documentation for various Windows/Mac programs that are used by staff, faculty, and students.
- ❖ Maintained and created automated scripts used for testing of our images and software packages using **Batch** scripting.

I.T Help Desk Technician
Mohawk College

April 2014 – May 2015

- ❖ Provided technical assistance and support for incoming queries and issues to varying platforms of software and hardware. Created appropriate tickets if required.
- ❖ Ran diagnostic programs to seek further information and be able to relay more information in ticket.
- ❖ Professionally, and respectfully represented the Information Technology department verbally and in written communications to the college.
- ❖ Handled technical troubleshooting within an enterprise environment.
- ❖ Assigned users to proper groups in Active Directory.
- ❖ Experienced with mass reimaging of various operating systems over a network.

Projects

➤ Bike Finder

This is a device that was created for the assistance of locating a stolen or lost bike. The device is designed to blend in with the structure of the bike and is built with an **Arduino** 3G/SMS tracking system.

- ❖ Assisted in the development of the hardware prototype by setting up the 3G/WiFi shields on the Arduino and ensuring they communicate coordinates with our server.
- ❖ Responsible for setting up the front end and back end of the project.
- ❖ Developed the website using (**HTML/CSS/Javascript**) and **MySQL/PHP** for the backend.

➤ **Battleship A.I**

Created an **artificial intelligence** bot coded in **Java** that plays against another bot in game of Battleship.

- ❖ Successfully incorporated several **data structures** to make A.I more efficient.
- ❖ Bot remembers where it has taken a shot and whether it was a hit or a miss.
- ❖ Implemented a probability algorithm that determines where the next shot should be placed based on the results of the previous shot.
- ❖ Gained a thorough understanding of test planning, test cases, and types of software testing.

➤ **Algorithmic Trading Bot**

Developed in **MQL 4 (C++)** for the MetaTrader Forex Platform.

- ❖ Utilizes several custom technical market indicators to determine if a trade is initiated.
- ❖ Bot will adjust sizing of lots based on account size and volatility.
- ❖ Constantly checking chart positions to enter and exit based on hardcoded rules.

Education

Mohawk College – Advanced Diploma in Software Development

2016 (Expected Graduation)