Hussain M. Alafaireet

573-823-5129

hussain.alafaireet@gmail.com

https://www.linkedin.com/in/hussain-alafaireet-74315325/

Portfolio: https://hussainalafaireet.github.io/

Skills

- Programming Languages: C++, zOS JCL, SQL, Python
- Database Tools: MySQL, Microsoft SQL, QMF, Brio Explorer
- Experience with Mainframe Performance and Capacity Planning methodologies.
- Mainframe Tools: RMF, RMF Spreadsheet Reporter, SDSF, WLM, TMON. Omegamon, MXI, CICS Performance Analyzer, Athene.
- Virtual Reality/Augmented Reality Development Tools: Microsoft Hololens, Vuforia Object Tracking, Unity Game Development Editor

Education

05/2019 *Masters of Science in Information Science (UX Research and Design Specialization),* University of Michigan, Ann Arbor, Michigan.

08/2009 *Masters of Science in Computer Science,* Missouri University of Science and Technology, Rolla, Missouri.

05/2005 *Bachelor of Science in Computer Science,* University of Missouri-Rolla, Rolla, Missouri.

Related Experience

09/2017 – Current **Research Assistant***: Hololens AR Constraint Project,* University of Michigan, Ann Arbor, Michigan**,**
- Working with U-M faculty to develop a **Hololens augmented reality** (AR) application utilizing the **Vuforia object tracking** system.

01/2011 – 08/2017 *Technical Support Specialist: Performance and Capacity - Mainframe,* IBM, Columbia, Missouri**,**
- Performed **Mainframe Performance and Capacity** functions for multiple **enterprise clients,** including the telecommunications, industrial, and government sectors..

- Collected and analyze mainframe system, application, and performance data from a variety of data sources, including **SMF** and **Tivoli Decision Support** roll-up databases.
- Provided **on-call** mainframe performance troubleshooting to solve critical enterprise issues.
- Provided **workflow management as a team dispatcher,** controlling the flow and priority of assignment to the rest of the technical team.
- Provided **technical and business leadership** within the IBM local facility, including new-hire **orientation instruction**, deployment and maintenance **collaboration repository deployment maintenance, business process design**, and **client visits.**.

11/2010 – 01/2011   *Client Support Representative,* MBS Textbook Exchange, Columbia, Missouri,
- Developed retail websites using **HTML/Javascript** technologies.
- Provided high-quality **customer support** and **technical assistance** to clients.

10/2009 – 02/2010   *Programmer-Analyst,* MU-SITE**,** University of Missouri-Columbia, Columbia, Missouri,
- Conducted research on **proposed technology systems** and created **budget proposals** for such systems.
- Performed various IT tasks, such as **server migrations** and **operating system installations**.

05/2007 – 06/2008   G*ame Designer,* Missouri University of Science and Technology, Rolla, Missouri,
- Developed the **"Frog Explorer" visualization education program** for use by the target audience of sixth graders.
- Conducted required extensive user testing with the target audience to gauge its usability.
- Created a *biologically-accurate* **3-D visualization** of the interior of a frog head, including brain cavity, eyes, nose, and mouth.
- Created **custom 3-D objects**, as well as modifications to the programs source code.

Professional Organizations
- ASEE Annual Conference 2010 Presenter for "*Frog Explorer"*: The Use of a Commercial Game Engine for the Development of Educational Software.