

Muhammad Sohaib Ashraf

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36, Shallcross Crescent, Hatfield AL10 9QH (Willing to relocate)

Formal Web Developer, now looking to secure a position in the field of game development after completing the MSc Artificial Intelligence and Robotics from the University of Hertfordshire to use and enhance my skills and knowledge in a practical and fast-paced environment. My career goal is to assume a role which allows me to be creative and take responsibility for the development of games for a diverse and market-leading company.

Education

University of Hertfordshire

Jan 2018 – Present

- **MSc** – Artificial Intelligence and Robotics
- **Grade** – 1st (Expected)
- **Modules**
 - Theory and Practice of Artificial intelligence
 - Neural Networks and Machine Learning
 - Artificial Life with Robotics
 - Investigative Methods in Computer Science

University of Management and Technology

Feb 2013 – Dec 2016

- **BS** – Software Engineering
- **CGPA** – 2.8
- **Module**
 - Object-Oriented Programming
 - Software Engineering
 - Computer Vision
 - Mobile App Development
 - Computer Graphics

Career History

Web Developer (Full Stack) – Epullon

Jan 2017 – Dec 2017

- Responsible as a full stack developer. Completed a web-based business application single-handedly that went into production.
- The technology I worked on included PHP Core, PHP (CodeIgniter), JavaScript, jQuery and Bootstrap.

Projects:

- **Eselloapp**: A complete system for online warehouse ordering and catalogue management. Clients can place online orders and warehouse can manage their inventory and deliveries all in a single system.
Link: www.eselloapp.com
- **Premier Polmarex website**: Main website for Canadian logistics company Premier Polmarex to display their products and services.
Link: www.premierpolmarex.ca

Web Developer (Internship) – Zepto Systems

Jul 2015 – Sep 2015

- An experience that sets the foundation for my professional career where I learnt how to be an effective member of a web development team in a fast-paced environment.
- Worked on PHP Core, PHP (Laravel), JavaScript and jQuery.

Projects:

- **Right Jobs**: A website to help people find new jobs.
Link: <http://rightjobs.pk>

Volunteer Work

Event Organiser – Leader’s Forum (Part Time)

Sep 2013 – May 2017

- Organized events for students including annual sports festival and educational trips.
- Worked as a student guide

Skills

Coding

- | | | |
|--------------------|----------|--------------|
| • Machine Learning | • Java | • JavaScript |
| • Python | • R | • XML |
| • C# | • OpenGL | • HTML |

Software

- | | | |
|-----------|-----------------|--------------------|
| • Unity3D | • NetBeans | • Adobe Photoshop |
| • Maya | • Visual Studio | • Microsoft Office |

Other

- | | | |
|-----------------|------------|-------------------|
| • Communication | • Teamwork | • Problem-solving |
|-----------------|------------|-------------------|

Projects during Studies

- **Master Project (Evolutionary Flocking Shooter):** Recently, I have upgraded a game with Genetic algorithm. Bots can learn to locate the target, avoid danger and exterminate it.
Technology Used: Unity3d Engine, Machine Learning, Evolutionary Game, Genetic Algorithm.
- **Snake and Cake:** This game is like the classic Nokia game "Snakes Xenzia" built in C++ and OpenGL.
- **Super Nim (AI):** An advanced form of Nim game with the heaps of sticks, built in python and powered with AI.
- **Age of Empires with AI:** Implemented AI Algorithms on “Age of Empire” like RTS game and made an investigative review on the performance of four different algorithms relative to one another.
Technology Used: Java, Netbeans.
- **Fusion-Fission Dynamics (Robotics):** Netlogo and Thymio robotics projects to follow other robots, detect the obstacles or line and avoid it.
Technology Used: NetLogo, Aseba studio, Thymio Robots, Aseba Playground.

Personal Project

- **Carrom Board:** After submitting my Master project, I started to work on this project individually. I have just created the board and pieces yet.
Technology Used: Unity3d Engine

Hobbies and Interests

- Playing Cricket, Badminton and Table Tennis.
- Travelling and experiencing different cultures.
- Learn about the latest research and technologies.
- Play video games.

REFERENCES AND CODE SAMPLE WILL BE PROVIDED ON REQUEST