

Hooman Malekzadeh

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📄 HM2D.github.io

C++ Programmer, Studying Game Engineering MS.c at Newcastle University

Education

Oct 2013 | **BS.c in Computer Science - Software Engineering**, Shiraz University, GPA:
Sep 2017 2.98, Iran, Fars, Shiraz.
Sep 2019 | **M.Sc in Video Game Engineering**, Newcastle University, United Kingdom,
Present Newcastle Upon Tyne.

Work Experience

May 2017 – **Developer**, Datis Pars Co, Iran, Shiraz, Fars.
Sep 2019

- Game Development
- Game Design
- Application Development

Sep 2015 – **Machine Language Programming**, Teaching Assistant, Shiraz University.
Jan 2016

- TA and Project designer

Skills

Programming C++, C#, Python, Java, Javascript, MySQL, PostgreSQL, Verilog, Action Script3, HTML, CSS, PHP, C, Assembly, Haskell
Game Development

- Unity, C++(Graphics, Physics, AI, Network)
- Tools Unity, Adobe Photoshop, Adobe Animate, Proteus, AutoCAD, Cheat Engine, Cisco Packet Tracer, SPSS
- Frameworks CodeIgniter(PHP), AVR Programming(C), OpenGL(Javascript), WebGL(Javascript), Lex/Yacc(C), Linux Server, OpenGL(C++)

Game Design
Animations Adobe Animate, Unity

Certificates

Shiraz Game Festival, Winter 2017.
Hosting and Electronic Sports League and Workshops and Game related Activities for 2 Weeks in Shiraz University.(esl.shirazu.ac.ir)
Dr.Khunjush, Head of Shiraz University ICT Center.

Reference, .

Dr. Farshad Khunjush, Ph.D. Associate professor, Director of Shiraz University ICT Center, Department of Computer Science & Engineering & IT, School of Electrical and Computer Engineering, Shiraz University, Shiraz, Iran.

Reference, .

Dr. Sattar Hashemi, Associate professor, Deputy of Information Technology at Telecommunication Infrastructure Co, Faculty of Electrical and Computer Engineering, Shiraz University, Shiraz, Iran.

Reference, .

Mr. Morteza Sattar, Director of Datis Pars Co.

Projects

Enchanted Forest, *Unity 2D*.

6-Person Multiplayer (LAN only) Game

Sadreneshin, *Unity 2D, Unity 3D, PHP, SQL*.

Game contest application with daily awards. including several games.

MailParser, *Java*.

Detect Ham from Spam with Blacklist Classification Algorithm

Three-Address-Code Generator, *Lexx, Yacc, C*.

TAC generator for Compiler

International Students Application Agent, *HTML, CSS, Javascript, PHP, MySQL*.

Web App for international students to apply for universities.

Bakhtegan1423, *Unity, 3D Max, Adobe Photoshop, Adobe Illustrator, Visual Studio*.

Hardcore 3D Survival Game

https://www.youtube.com/watch?v=__fVtQ8SI22k&t=4s

Untitled Goose Game, *OpenGL, C++*.

Physics engine, AI pathfinding, Networking game.

<https://www.youtube.com/watch?v=mDfemqdsVoM&t=84s>

Graphical Scene, *OpenGL, C++*.

A graphical scene made with Open GL, including 3 maps generated from Heightmaps, post processing effects, tessellation, shadows, animations, camera tracks.

<https://www.youtube.com/watch?v=7y5Xsg1hIGw>