

Name: Karl Roe

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Summary of Qualifications

- Four years of experience with object oriented languages, including extensive experience in C++, java and C.
- One year of experience in front end development using JavaScript, JQuery, HTML and CSS.
- One year of experience in C#, Unity, and OpenGL 3D modelling.
- Experience in the design and development of numerous game components, including: Ai, computer graphics, Gameplay and physics.
- Excellent written and verbal communications skills.

Work Experience

Deloitte and Touche

April 2013 – Sept 2013

Consultant

Responsibilities:

- Development of a bank account validation system using java and javascript.
- Front end development of a client website using HTML, javascript and bootstrap.
- Developing a mobile version of an existing web page
- Meeting with clients to discuss initial design for Tablet application.
- Writing a requirement specification and functional specification from client site.
- Writing business tenders.
- Development of a tech demo using Node.js.
- Retrieving Information for chief information officer survey.

Education

Third Level Education

2010 - 2014

Institution: Dublin City University

City: *Dublin, Ireland*

Degree: BSc in Computer Applications: 1st class Honors

Final Year Project: Pixel Champ

My Final Year project was a 2D action platformer for Windows, developed in C++ using the simple directmedia layer library. The project featured: A custom 2D Engine, AI Enemies and Player/Enemy Combat.

<https://github.com/KarlRoe?tab=repositories>

Second Level Education

Institution: Ard Scoil Ris Secondary School

2005 - 2010

City: *Dublin, Ireland*

Skills

Languages:

- C++, C, C#, Java, Haskell, Javascript, HTML, CSS, Python, SQL, XML, UML, R, Prolog, AMPL

Technologies:

- Microsoft Visual Studio, Microsoft Excel, Eclipse, Unity, Microsoft Office 365, Microsoft SharePoint, CodeBlocks, Dev c++, MySQL, Tortoise SVN, Git, VMware, Edit Plus.

Libraries and Frameworks:

- SDL, OpenGL, JQuery, Node.js, Socket.io, Twitter Bootstrap