YEONGKI BAEK

Kirkland, WA 98034   **http://lnked.in/ybaek**   **(425)-394-9026**   **yeongki.baek@digipen.edu**

Skills

Languages	Software & Tools	API & Libraries	Physics / Math	Graphics Programming
▪ C / C++	▪ Visual Studio	▪ OpenGL	▪ MPR	▪ Deferred Shading
	▪ SVN	▪ FmodEX	▪ Bezier	▪ HLSL Shader
	▪ Git	▪ STL	▪ Ray intersection	
		▪ Boost		

Experience

Intern   Mar 2010 - Aug 2010

CobaltRay - Seoul, Korea
- ▪ Programmed a tool that helps to sync hymn and sheet music easier using MFC.
- ▪ Developed code fixes and enhancements for inclusion in future code releases and patches.
- ▪ Collaborated with product management to design, build and test systems.
- ▪ Built, tested and deployed scalable, highly available and modular software products.

Republic of Korea Marine Corps - Marine 1st Div   Jan 2013 - Nov 2014

2 years military veteran who earned 3 commendations and awards for superior performance in academic, tactical and technical capacities. Promoted ahead of peers to mid-to-senior level supervisor in command of up to 40 soldiers. Earned highest marks in all leader evaluation reports, and recognized for mentoring and developing the best leaders.

Projects

Gameplay Programmer, Designer   Sep 2010 - Apr 2011
AMAZE   7 Person Team

"A 2D puzzle shooter finding a route through the maze against the enemies", C++ Custom Engine
- ▪ Programmed tile map based level editor
- ▪ Designed all the game levels
- ▪ Designed the HUD and menu system
- ▪ Programmed VFXs

Graphics and Gameplay Programmer   Sep 2016 - Present
Alaska Roll   4 Person Team

"A 3D shooter rolling a snowball", C++ Custom Engine
- ▪ Programmed deferred shading based graphic render system using OpenGL
- ▪ Designed the rule base and programmed the play
- ▪ Programmed performance analysis tracker

Education

Bachelor of Science in Computer Science in Real-Time Interactive Simulation   Graduating Dec 2017
DigiPen Institute of Technology (Redmond, WA)

Affiliations

The winner of advanced individual training 2013
Exemplary soldier of the quarter, 2014
Meritorious achievement for logistic analysis management information system 2014