

Derek Hendrickx

SOFTWARE DEVELOPER

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Experience

TWG

Toronto, Canada

SOFTWARE ENGINEER

July 2016 - Now

- Developed a REST API for several games in JavaScript with Node.JS, Express and Web Socket.
- Developed the front-end for several games in JavaScript with ReactJS and Redux.
- Improved a PostgreSQL database.
- Developed a prototype with different interactions for a VR project in C# with the HTC Vive and Unity 3D.

ADNEOM

Brussels, Belgium

FULL STACK DEVELOPER

Jun. 2015 - Now

- Led teams of 3 to 7 developers.
- Designed and developed several REST API in JavaScript with Node.JS and Express.
- Designed the MongoDB databases.
- Designed and developed the front-end for web applications in JavaScript with AngularJS.
- Developed a real-time notification systems.
- Developed an hybrid mobile application for Android and iOS in JavaScript with Cordova, IONIC and AngularJS.
- Debugged and improved an existing code base in CoffeeScript and C++.
- Improved an existing Node.JS backend for a cloud deployment on Heroku, AWS S3 and Cloudinary.
- Tested and reviewed the code for a web application in the cloud (SaaS).
- Developed a Facebook Messenger bot in JavaScript.

Big Bad Wolf

Genval, Belgium

R&D INTERN

Mar. 2014 - Aug. 2014

- Developed several features for an augmented reality mobile game in C# using Vuforia and Unity 3D.
- Designed the REST API to interact with the augmented reality game.
- Designed and developed a computer vision plug-in for Unity 3D in C++ and C#.
- Improved an existing Unity 3D plug-in to improve the artists workflow for a virtual reality project with Oculus Rift.
- Developed two post-processing shaders for Unity 3D in Cg.

Immeractive

Uccle, Belgium

R&D INTERN

Feb. 2012 - May. 2012

- Designed and developed a 3D real-time preview plugin for Autodesk Revit Architecture in C#.

Skills

Languages

C/C++, C#, HTML 5/CSS 3, Java, JavaScript

Libraries

AngularJS, Cordova, IONIC, NodeJS, React, Redux, OpenCV, OpenGL

Databases

MongoDB, PostgreSQL

Analysis

UML, Design Patterns

Software

Git, Docker, Unity 3D, Unreal Engine 4, Android Studio, Visual Studio, Visual Studio Code, WebStorm

O.S.

Linux, Mac OS X, Windows

Education

University Lille 1 : Sciences and Technologies,

Lille, France

M.S. IN COMPUTER SCIENCE

Sep. 2012 - Sep. 2014

- Specialization in image, vision and interaction : computer graphics, computer vision and multi agent systems.

Institut Paul Lambin

B.S. IN COMPUTER SCIENCE

- Graduated with Distinction.

Brussels, Belgium

Sep. 2009 - Jun. 2012

Honors & Awards

2016 **Earned all the awards**, Gift the Code

Toronto, Canada

2012 **2nd Place**, Be My App Contest

Brussels, Belgium

Languages

French Primary language

English Full professional working proficiency (TOEIC: 930/990)

Dutch Basic

Interests

Computer science, programming, video games, music, filmmaking, photography, reading, travelling.