THOMAS SIMON

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Date of Birth:	14/10/1993
Objective :	Internship for 3 months beginning on June

EDUCATION

Information Systems Engineering degree (2014-2017), École des Mines de Nantes

Scientific and Technical courses:	Social Science and Management courses:
New-Generation Programming Languages	Organization studies
Structure/Execution of Programming Languages	Innovation Management
Software engineering and software quality	Entrepreneurship
Design patterns and software architectures	Human, technology and society
Concurrent and distributed systems	Business history

EXPERIENCES

Personal project: 3D Engine C++/OpenGL
- o   Taught myself OpenGL and GLSL
- o   Used different design patterns
- o   Designed a software architecture

Successfully implemented deferred rendering, bloom, lens flare, motion blur, normal mapping, physics, GUI.

Academic project: Team leader of a 3D scanning project (5 people)
- o   Organized research on 3D Scanning
- o   Designed and fabricated a working prototype of scanner
- o   Planned different tests and diagnosed performances

Successfully achieved 3D scanning of several objects

EXPERIENCES

Member of the Junior-Entreprise MiND

- o Organized a Jade October Meeting (international event)
- o Performed administrative duties (meeting report, legal procedure, members files)

Result: Improved knowledge on entrepreneurship

Team leader of a virtual reality project (8 people):

- o Aims to plunge an Oculus user into a virtual environment that matches all his senses
- o Six degrees of freedom tracking with infrared cameras
- o Development tools : Unreal Engine 4, Optitrack SDK camera

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SKILLS

Programming Language:

Competent in C/C++, Java, Python, HTML/CSS, Javascript

Knowledge of SQL, Zepto, Ajax, Haskell, Scala

Framework/Library:

Competent in Django, OpenGL

Knowledge of SDL, Spring

Operating System: Able to work on Windows and Linux systems

Software: Competent in Word, Excel, PowerPoint, Matlab

Language:

French (mother tongue)

Good user of English (EILTS 7.0/9.0)

Beginner in Japanese

INTERESTS

Sports: Skiing, snowboarding and climbing

Music: Guitar

Robotic: Ongoing CNC mills project

Quadrotor and drone