

Gota SHIRATO

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Fourth-year engineering student seeking a 20-week internship
in the field of **Virtual Reality** from May 2017

QUALIFICATIONS

ECOLE CENTRALE DE NANTES

Sept. 2015 - Present | Nantes

DOUBLE DEGREE PROGRAM

Virtual Reality

- Image Processing (OpenCV)
- Augmented Reality
- Real-time Computer Graphics
- Collision Detection
- 3D Modeling (CAD)

KEIO UNIVERSITY

April 2013 - June 2015 | Tokyo

SYSTEM DESIGN ENGINEERING

- Engineering Mathematics
- Thermo-fluid Dynamics
- Applied Mathematical Analysis
- Architectural Planning and Design

LINKS

🐙Github:// github.com/gshirato

🌐Linkedin:// [gotashirato](https://www.linkedin.com/company/gota-shirato)

#Slack:// @gotashirato

INTERESTS

SPORT

RUGBY Playing as a member of ECN rugby team

SOCCER Supporter of **Urawa Reds** Japanese Football Club

CLIMBING Japanese Alps

WORK OUT Bench Press 100kg,
Squat 100kg, Dead Lift 140kg

OTHERS

VIDEO GAME Strategic, Sportive

TRIP For football matches,
understanding **town planning** and
architecture and **intercultural communication**

VIDEOS Comedy, Horror, Drama

Rakugo (Japonaise Comedy)

PROFESSIONAL EXPERIENCE

UI FOR BIMSURFER | VIRTUAL REALITY PROJECT 1

Feb. 2017 – Mar. 2017 | Ecole Centrale de Nantes, Nantes, France

- Matching of photographs of a building with its BIM model
- Implementing methods in JavaScript to improve UI
- Installing OpenCV Python for Image Processing

UI FOR THE 3D MAP IN UNITY | VIRTUAL REALITY PROJECT 2

Oct. 2016 – Jan. 2017 | Ecole Centrale de Nantes, Nantes, France

- Designing of an user interface on the multi-touch screen
- Construction of a functional and applicable plug-in
- Manipulation of the 3D model of Nantes in 1900

INSTITUT MUTUALISTE DE MONTSOURIS | INTERNSHIP

July 2016 | Biomedical service, Montsouris, Paris

- Management of maintenance of medical devices with nine people
- Development of a maintenance database (Excel VBA)

EDYCEM (Concrete Plant) | INDUSTRIAL PROJECTS FOR STUDENTS

Oct. 2015 – Sep. 2016 | Vendée, France

- Production of an IT solution for the identification of concrete
- Analysis of deep **traceability** technologies
- Second place in the Contest

DATA STADIUM INC. | PART-TIME WORK - SPORTIVE ANALYSES

Aug. 2013 – June 2015 | Sangenjaya, Tokyo

- Filming of rugby matches in stadiums
- Analysis of matches with **DataScrum** (software dedicated to statistical analysis)
- Creating improvement tools for the team

SKILLS

IT

Specialized Software:

- **Unity** Development of the geometric information system on a touch screen
- **BIMSurfer** Development of BIM UI for school building data
- **Pure Data** and **Processing** Creating a game to represent sound immersion
- CAD and Image Processing (**CATIA**, **Solid Work**, **Cast3m**, **ImageJ**, **Paraview**)
- **Windows Office** and their **VBA** (e.g. Extract from a database)

Programming:

- **C++** 3 years experience (Library: OpenCV, OpenGL, OSG)
- **C#** Unity • **JavaScript** BIMSURFER • **Swift** Knowledge for iPhone app
- **Matlab** Exercises to solve mathematical and robotic questions
- **Java** A game powered by Processing • **Access SQL** Management of a database
- **Python** Basic knowledge and applications

LANGUAGES

Japanese Native Speaker

English Fairly Fluent in written and spoken **TOEIC** 900(2017)

French Professional Level **TFI** 785 B2+(2017) 2 years in Vichy and Nantes

Spanish Basic Knowledge | 1 month in Valencia

Chinois Basic Knowledge | 2 years of study in Japan's university