



# Mathieu VENOT

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Student in Naval Architecture, MSc  
Architect, MArch  
Born September 30, 1990  
[mathieuvenot.com](http://mathieuvenot.com)

## Education

- Advanced Master's degree in Marine Engineering, Naval Architecture and Offshore {MSc} 2018  
*Ecole Nationale Supérieure de Techniques Avancées Bretagne* (Brest)  
- Ship Design profile, Double degree with the ENSA Paris La Villette (Paris)  
IMANO 2018 SD - Naval Architecture DPEA
- Master's degree of Architecture {MArch} - Magna Cum Laude 2016  
*Ecole Nationale Supérieure d'Architecture de Paris Malaquais* (Paris)  
- Digital Knowledge department, with the Arts et Métiers ParisTech (Paris)  
Materials & Additive Manufacturing module
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## Experience

- Co-founder / Dixie Lab (Paris) October 2015 - Now  
Virtual Reality & Digital Architecture
- Consultant / Mathieu Venot (Nantes) May 2013 - Now  
3D Design, 3D Printing, Digital Teaching, Naval Studies, Prototyping, Rendering, Web Design
- Intern / Engineering School of Advanced Technologies of Brittany (Brest) April 2018 - August 2018  
"Nemo" Grasshopper plugin for Ship Design Loop
- Workshop Leader / Design Modelling Symposium (Versailles) September 2017  
"Virtual Immersive Architecture" workshop
- Workshop Leader / Fine Arts School of Tours Angers Le Mans (Le Mans) March 2017  
Inter-disciplinary workshop
- Workshop Leader / Architecture School of Paris-Malaquais (Paris) September 2015 - February 2017  
"Robotic Interactivity", "Algorithm" and "Welcome to Senso/Rezo Museum" workshops
- Studio Tutor / Arts et Métiers ParisTech - ENSCI Les Ateliers (Paris) October 2016 - January 2017  
"XXL 3D Printing" research studio of ENSCI Les Ateliers
- Workshop Leader / Advances in Architectural Geometry (Zurich) September 2016  
"Multi-User Cobotics Simulation in VR applied construction" workshop
- Studio & Workshop Tutor / Architecture School of Paris-Malaquais (Paris) September 2013 - September 2016  
Third year project studio & Back to school and inter-semester workshops
- Intern / leFabShop (Paris) June - August 2015  
FabClub workshops & FabShop design studio
- Intern / EZCT Architecture & Design Research (Paris) July 2013  
ArchiLab 2013 exhibition {FRAC Centre} (Orléans)
- Intern / Port Napoléon's Shipyard (Port-Saint-Louis-du-Rhône) July 2011  
Maintenance and repairs on sailboats and speedboats

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## Skills

### Softwares

**CAD/CAM** : ArchiCAD, AutoCAD, Fusion 360, SolidThinking Inspire (Certified), Rhinoceros - Grasshopper (HAL, Karamba3D, Orca3D, Scan&Solve, VisualARQ)  
**Naval** : Abaqus, Cherie DGA, GHS General HydroStatics, Maat Hydro, Mars BV, NavCad, Poseidon DNVGL  
**DTP** : Adobe CS (Illustrator - InDesign - Photoshop), LaTeX, Markdown  
**Rendering** : Artlantis, Unity3D, Unreal Engine  
**Scripting** : Grasshopper (C#), Processing (Java), Mathematica, Unity3D (C#), Unreal Engine (Blueprint)  
Web Design (HTML - CSS)  
**VR** : HTC Vive, Oculus Rift, Google Cardboard  
**OS** : Mac, Windows, Linux (Debian - Ubuntu)

### Digital Fabrication

**3D Printing** (Dremel Idea Builder, Makerbot Replicator Dual - Replicator 2 - Replicator 2X - Z18, Stratasys Mojo, 3D Systems Cubify, Ultimaker Original+, Zortrax M200)  
**3D Scanning** (Asus Xtion, Microsoft Kinect, Photogrammetry)  
**CNC Milling** (Shapeoko GRBL, ShopBot Desktop)  
**DIY** (Arduino IDE & Electronics, Raspberry Pi)  
**Drone Prototyping** (DJI F450, Parrot Bebop 2 | APM)  
**Industrial Robotics** (ABB IRB120 - IRB1600 - IRB6620)  
**Laser Cutting** (Epilog Legend 36EXT, Trotec Speedy 300)

Maritime Short Range Radio Operator Certificate (VHF)  
Driving Licence (Car)

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## Publications

DixieVR : Immersive Multi-User Simulation for Architectural Conception  
Réseau Canopé, Technologie, n° 205 (ISBN 978-2-240-04143-2)

*November 2016*

Materials & 3d printing of assembly parts to architectural scale  
Réseau Canopé, Technologie, n° 204 (ISBN 978-2-240-04135-7)

*September 2016*

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## Languages

English (Professional working proficiency) - French (Mother tongue)

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## Interests

CAD/CAM - Computation - Prototyping

Sailing - Windsurfing :

Sailing and convoying on Coco 650, Dufour 325, First 35, RM 1050, Cigale 16  
Living on a Freycinet river barge

Travels :

One year around the North Atlantic Ocean on a sailboat