



Mathieu VENOT

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Student in Naval Architecture, MSc
Architect, MArch
Born September 30, 1990
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

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)

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

Languages

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

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