Mathieu VENOT

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

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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

Experience

Co-founder / Dixie Lab (Paris) *October 2015 -*
Virtual Reality & Digital Architecture *Now*

Consultant / Mathieu Venot (Nantes) *May 2013 -*
3D Design, 3D Printing, Digital Teaching, Naval Studies, Prototyping, Rendering, Web Design *Now*

Intern / Engineering School of Advanced Technologies of Brittany (Brest) *April 2018 -*
"Nemo" Grasshopper plugin for Ship Design Loop *August 2018*

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 -*
"Robotic Interactivity", "Algorithm" and "Welcome to Senso/Rezo Museum" workshops *February 2017*

Studio Tutor / Arts et Métiers ParisTech (Paris) - ENSCI Les Ateliers (Paris) *October 2016 -*
"XXL 3D Printing" research studio of ENSCI Les Ateliers *January 2017*

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 -*
Third year project studio & Back to school and inter-semester workshops *September 2016*

Intern / leFabShop (Paris) *June -*
FabClub workshops & FabShop design studio *August 2015*

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, 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