Mathieu VENOT

Naval Architect Engineer, 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}   *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

Naval Architect Engineer / Mathieu Venot (Nantes)   *May 2013 -*
    Naval Architecture, Marine Engineering, Generative Design & Interactive Rendering   *Now*

Naval Engineer / L2O Naval (Lorient)   *December 2018 -*
    Marine Engineering & Naval Architecture   *Now*

Co-founder / Dixie Lab (Paris)   *October 2015 -*
    Virtual Reality & Digital Architecture   *March 2019*

Intern / Engineering School of Advanced Technologies of Brittany (Brest)   *April 2018 -*
    "Nemo" Grasshopper plugin for Ship Design   *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" & "Welcome to Senso/Rezo Museum" workshops   *February 2017*

Studio Tutor / Arts et Métiers ParisTech - 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 / 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 & repairs on sailing and motor boats

Skills

Softwares

CAD/CAM : Rhinoceros3D (Orca3D, Scan&Solve), Grasshopper3D (HAL, Nemo)
Naval : Cherie, ComposeIT, GHS, Fine/Marine, Maat Hydro, Mars2000, NavCad, XFLR5
DTP : Adobe CS (Acrobat, InDesign, Muse, Photoshop), LaTeX, Markdown, Office 365
Rendering : Rhinoceros3D (Enscape), Unity3D, Unreal Engine
Scripting : Grasshopper (C#, Python), Web Design (HTML, CSS)
VR : HTC Vive, Oculus Rift, Google Cardboard
OS : Windows, Mac, Linux (Debian, Ubuntu)

Digital Fabrication

3D Printing (Dremel, Makerbot, Stratasys, 3D Systems, Ultimaker, Zortrax)
3D Scanning (Asus, Microsoft, Photogrammetry)
CNC Milling (ShapeOko, ShopBot)
DIY (Arduino, Raspberry Pi)
Drone Prototyping (DJI, Parrot)
Industrial Robotics (ABB)
Laser Cutting (Epilog, Trotec)

Licenses : Offshore, Inland (Boat) - Driving (Car)
Maritime Short Range Radio Operator (VHF) - Recreational Pilot (Drone)

Publications

DixieVR : Immersive Multi-User Simulation for Architectural Conception   *November 2016*
    Réseau Canopé, Technologie, n° 205 (ISBN 978-2-240-04143-2)

Materials & 3d printing of assembly parts to architectural scale   *September 2016*
    Réseau Canopé, Technologie, n° 204 (ISBN 978-2-240-04135-7)

Languages

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

Interests

Naval - 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