

Baptiste Véron

Robotics research engineer

5, allée du scorff
35830 Betton, France
☎ +33 (0)6 75 09 68 00
✉ baptisteveron@gmail.com
📧 veron.baptiste.free.fr
📄 baptiste-véron-6035b812b
30 years old



Work Experience

- 2018 – ... **Robotics research engineer**, *IRT Jules Verne*, Nantes, France.
Advanced robot control.
- 2015 – 2017 **Postdoctoral Research Scientist**, *TIMC-IMAG, GMCAO*, Grenoble, France.
Clinical validation of puncture robots (Prosper and LPR).
- 2011 – 2014 **Research Engineer**, *FEMTO-ST, AS2M*, Besançon, France.
Design, modeling and control of contactless magnetic manipulation systems.
- 2011 – 2014 **Teaching Assistant**, *UFC and ISIFC*, Besançon, France.
Course instructor in robotics and industrial informatics for grad students.

Education

- 2011 – 2014 **PhD in automatics and robotics**, *FEMTO-ST, AS2M*, Besançon, France.
Supervised by N. Andreff, A. Hubert and J. Abadie ; team : MiNaRoB.
Topic : *Modeling and control of contactless magnetic manipulation systems. Towards improvement of diagnosis in gastrointestinal endoscopy.*
- 2010 – 2011 **MSc in Mechatronics and Microsystems**, *UFC*, Besançon, France.
Specialization in Electronics and Embedded Systems. Internship (6 month) : *Simulation and control of a magnetic manipulation system with mobile coils*, at FEMTO-ST, AS2M.
- 2007 – 2010 **Engineering diploma**, *ENSMM*, Besançon, France.
Specialization in Health and Microtechnologies. Internship (6 month) : *Development of a multi-modal autonomous aerial vehicle*, at University of Wales, Newport(Wales).

Skills

- Development **C/C++**, **Matlab**, Python, Maple
- Tools and lib. **Qt**, **ViSP**, VTK, CMake, **SolidWorks**, Catia, Comsol, **FMECA**, numpy, git
- Expertise **Medical robotics, modeling and control of systems, mechatronics design**, magnetic systems
- Misc. **Non-linear control, quality approach**, \LaTeX , Open/MS Office, embedded software, computer vision, multiphysics modeling, ROS

Additional information

- Languages French (Native), English (Fluent), Spanish (beginner)
- Personal interests SF, cinema, *Do It Yourself*
- Sports Rock Climbing, Skiing, Hiking, Badminton