



Synthetic, Perceptive, Emotive and Cognitive Systems group

Job description

SPECS_lab (Synthetic Perceptive Emotive and Cognitive Systems)¹ is seeking to hire highly skilled Research and Development Engineers (R&D Engineers) to support our research team and contribute to the development of highly innovative neuroscience-based tools and applications. Candidates will contribute to develop and improve one or more applications in the area of neuro-robotics, neuroinformatics and neuro-education.

Specifically, we look for candidates that are interested and have experience in one or more of these areas:

- Biomedical Visualization
- Advanced Human-Computer Interaction with real-time interaction
- Robotics behavior
- Data analysis and simulation tools
- High-Performance Computing
- Distributed software architectures

Qualifications

- Good knowledge of C++, C#, Python.
- B.S., M.S., or PhD in computer science or a related field with the corresponding emphasis on visualisation, computational science, and good software development practice;
- Good communication skills in English;

Extra knowledge (desired skills)

- Visualization libraries, tools and devices: Unity Game Engine, OpenCV, depth cameras, HMD devices.
- Biomedical visualisation tools: Visualization Toolkit (VTK) and Insight Toolkit (ITK).
- Robot libraries and operative systems: ROS, YARP.
- Machine Learning, Artificial Intelligence

Additional Information

SPECS_lab is a research group at IBEC² (Bioengineering Institute of Catalonia), located in Barcelona, Spain. SPECS_lab is a multidisciplinary group involved in basic science research as well as applied research in the area of neuroscience. Our collaborators include top universities from around the world, national research labs, spin-off companies, Hospitals, Museums and many others.

If you are interested, please send your CV to: info@specs-lab.com

¹ <http://specs-lab.com>

² <http://ibecbarcelona.eu/specs>