

## / Jr. Robotics Software Engineer (m/f/d)

PCH Innovations is a Berlin-based creative engineering studio for exploratory technology.

We are designers, engineers, technologists, philosophers, coders, researchers, film makers and storytellers, united by a common curiosity and vision for a harmonious human/machine ecology.

We explore how technology can empower reflection, regeneration and invention.

We combine earth-shot thinking and empathy to embed awareness, circularity and creativity in tomorrow's systems.

We apply 16 years of experience in immersive research, hands-on experimentation and pioneering technology, to formulating sustainable and scalable responses to inefficient and wasteful industrial systems.

### **ROLE DETAILS:**

- / Location: Berlin, Germany
- / Duration: Permanent, Full-time
- / Start date: September/October 2022

### **WHAT YOU'LL BE WORKING ON:**

- / Collaborate closely with other software engineers, roboticists, and project management to frame customer automation challenges and prototype scaleable robotic solutions
- / Design algorithms for sensor-guided robot motion control and trajectory generation to enable new robot applications that address unique manufacturing tasks
- / Design, implement, and maintain high-quality robotics software
- / Lead exploration into experimental robotic applications
- / Have fun!

# PCH /INNOVATIONS

## MINIMUM QUALIFICATIONS:

- / Bachelor's degree in Robotics, Computer Science, or equivalent skills
- / Domain knowledge in motion control, sensor-based motion control, trajectory generation, motion optimization, robot manipulation
- / Demonstrable experience applying robotics, PLC programming, fieldbus communication, or motion controllers
- / Experience and interest in applying AI/CV/ML to control, robotics, wearables, prosthetics, and haptics
- / Experience and interest in robotics hardware and physical prototyping

## PREFERED QUALIFICATIONS:

- / Experience in modeling and simulation of complex robotic tasks
- / Experience in applying robotics to soft materials such as textiles/fabrics
- / Open-source projects and/or research publications about AI/ML/Robotics/Optimization/Control
- / Master's in Robotics, Computer Science, or equivalent skills and experience

## WORK ENVIRONMENT:

- / A diverse, international, friendly and supportive team
- / A culture of responsibility, co-determination, openness and consideration
- / Space for creative freedom and expression
- / A beautiful, quiet, dog-friendly studio with a garden and multiple terrace hang-out spots
- / Fresh fruit and snacks throughout the week, weekly (vegan/vegetarian) chef-cooked lunches
- / Team-building activities and events
- / Individual and team coaching

If you are interested in working with us, please send us your CV, relevant work references, and via [talent@pch-innovations.com](mailto:talent@pch-innovations.com). We will get back to you within three weeks.

Please apply until August 1 2022.

We look forward to hearing from you.