

# Jens Petit

jenspetit@posteo.net

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## EXPERIENCE

### UNIVERSITY OF LEIPZIG MEDICAL CENTER | IT SERVICE ARCHITECT

Since March 2024 | Leipzig

Design of a Service Catalogue for the Department of Information Management. Exchange with different stakeholders (customers, service providers, management) as well as project management.

### RAYLYTIC GMBH | TEAM LEAD INFRASTRUCTURE

Jan 2023 - Nov 2023 | Leipzig

In a small team we were responsible for running both the production infrastructure as well as the internal IT. I coordinated the team including freelancers.

### RAYLYTIC GMBH | DEVOPS ENGINEER

Jan 2021 - Dec 2022 | Leipzig

RAYLYTIC develops a web-based data platform for clinical studies. I worked on launching a new product in hospitals in and outside of Germany.

Technology: Vagrant, Packer, Ansible, Concourse CI, OPNSense, Docker, Terraform, Kubernetes, Vault, Hetzner, OVH

### GOOGLE SUMMER OF CODE | SUMMER INTERN

May 2019 - Aug 2019 | Remote

Integrating Bullet as a collision checking library into the Robot Operating System (ROS).

### TRUMPF GMBH & CO. KG | RESEARCH AND DEVELOPMENT INTERN

Dec 2016 - Apr 2017 | Ditzingen, Germany

Design and implementation of time prediction algorithms for state-of-the-art laser cutting machines in Matlab. Independent execution of time studies on testing machines.

## EDUCATION

### UNIVERSITY OF LEIPZIG | MEDICAL DEGREE

Since Oct 2024 | Leipzig, Germany

### SCADS.AI | DOCTORAL CANDIDATE

June 2020 - Jan 2021 | Leipzig, Germany

- working on machine learning for (dynamic) graphs
- machine learning for host intrusion detection

### TECHNICAL UNIVERSITY OF MUNICH | M.Sc. ROBOTICS, COGNITION, INTELLIGENCE

Oct 2017 - May 2020 | Munich, Germany

- Master thesis: "Improving efficiency in X-ray computed tomography using compile-time programming and heterogenous computing" at the group of Inverse Problems of the chair of Computer Aided Medical Procedures
- selected courses: Machine Learning, Introduction to Deep Learning, Advanced Deep Learning for Robotics, Large-scale Machine Learning lab course, Cognitive Systems

### KEIO UNIVERSITY | VISITING RESEARCH STUDENT

Apr 2016 - Oct 2016 | Tokyo, Japan

- member of the Namerikawa Laboratory at the Institut for System Design Engineering
- Bachelor thesis: "Distributed Consensus-based Formation Control of Quadrotors with Formation Feedback"

### UNIVERSITY OF STUTTGART | B.Sc. MECHATRONICS

Oct 2013 - Apr 2017 | Stuttgart, Germany

## ACHIEVEMENTS

- 2014 Full scholarship from the German National Academic Foundation (Studienstiftung).
- 2013 University scholarship of the University of Stuttgart together with the Vector GmbH.
- 2011 German champion in the "RoboCup Junior Soccer" competition.

## EXTRACURRICULAR ACTIVITIES

### **BÜRGERINITIATIVE ZUGANBINDUNG LEIPZIGER LAND | INITIATOR**

Since May 2024 | Naunhof, Germany

Founding of a local initiative to push for better public transport in the suburban areas around Leipzig. For more information visit the website [www.rb110.de](http://www.rb110.de).

### **BOXT EURCH DURCH MÜNCHEN | YOUTH WORKER**

December 2017 – May 2020 | Munich, Germany

Weekly homework assistance and after-school activities for disadvantaged youth.

### **INTERNATIONAL CENTER OF THE UNIVERSITY OF STUTTGART | MENTOR**

Oct 2014 – Apr 2016 | Stuttgart, Germany

Personal mentor for incoming foreign students.

### **DONGSAVATH CHILDREN AND YOUTH DEVELOPMENT ASSOC. | VOLUNTEER**

Oct 2012 – Aug 2013 | Vientiane, Laos

Conducting of diverse after-school activities for disadvantaged children in rural areas at four public primary schools.

## CODE AND WORK SAMPLES

- Github account at [www.github.com/j-petit](https://github.com/j-petit)
- Google Summer of Code work product at <https://github.com/ros-planning/moveit/issues/1427>

October 2024 | Leipzig, Germany