

LAURA TESSIN

Electrical Engineering and Information Science

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www.lauratessin.com

github.com/laurate

EXPERIENCE

Traineeship

Loft Orbital Solutions

June 2019 – Today

San Francisco, USA

Assembly, Integration and Test (AIT) for a satellite subsystem.

Internship

Airbus Defence & Space

April 2017 – October 2017

Friedrichshafen, Germany

Working in a team developing a new satellite platform.

- Scripting and maintenance (Java) for the System Reference Database
- Developing plots (Matlab, GNU Octave) and documentation scripts (Java) for Functional Verification
- Documentation and visualization (Visio) for Operations

Student Assistant

Karlsruhe Institute of Technology (H2T)

June 2016 – April 2017

Karlsruhe, Germany

Developing a miniaturized motion tracking solution.

- Using Altium to develop a miniaturized motion tracking device
- Developing an AHRS sensor network (Python)

Student Assistant

Karlsruhe Institute of Technology (ITIV)

October 2012 – May 2013

Karlsruhe, Germany

Teaching assistant for the lecture 'digital technology'.

EDUCATION

M.Sc. Electrical Engineering and Information Science

Karlsruhe Institute of Technology (KIT)

April 2016 – March 2019

- Preliminary grade: 1.7 (good)
- Focus on systems engineering and robotics
- Master thesis on "Development of an adaptive locomotion strategy for a modular multi-legged robotic system with arbitrary leg numbers" at the FZI Research Center for Information Technology

B.Sc. Electrical Engineering and Information Science

Karlsruhe Institute of Technology (KIT)

October 2011 – March 2016

- Final grade: 2.5 (good)
- Focus on hardware design
- Bachelor Thesis on "Concept and Implementation of a Wireless Wearable Motion Tracking Device based on an AHRS" at the Humanoid Robotics Lab (H2T)

SKILLS

Python

C++

Java

ROS

Gazebo

VHDL

Verilog

Altium

Gitlab

Github

Matlab

GNU Octave

LANGUAGES

German



English



Spanish



French



CERTIFICATION



Basic Certificate in Project Management (GPM)

Examination of basic project management skills like terminology, concepts and methods.

VOLUNTEERING

Coder Dojo Karlsruhe

📅 October 2017 – December 2018

- Developed a robotic workshop in which children can learn to control a four-wheeled robot using the Arduino IDE
 - Educated children and teenagers in computer science (Python, C++ and Scratch)
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Polytechnischer Verein Karlsruhe

📅 October 2011 – October 2014

- Self organized living community of 15 students
 - Held positions as treasurer and member of board, organizing talks and trips
 - Gave talks on satellite technology, my trip around the world and other topics
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Trip around the world

📅 September 2010 – July 2011

- Travels through Central and South America, New Zealand, Australia and South Africa
 - 3 months voluntary service in a botanical garden in Puyo, Ecuador
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Scouting

📅 2007 – 2010

- Volunteered as a team leader
- Organized weekly group meetings, weekend activities and a canoe trip to Sweden
- Participated in a four-week trip to Burkina Faso in 2009 to build a hospital