LAURA TESSIN

Electrical Engineering and Information Technology

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github.com/laurate

EXPERIENCE

Traineeship

Loft Orbital Solutions

₩ June 2019 - Today

♀ San Francisco, USA

Assembly, Integration and Test (AIT) for a satellite subsystem. Implement infrastructure to run system-level tests between Ground Software and Flight Software (Python).

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

Student Assistant

Karlsruhe Institute of Technology (H2T)

June 2016 - April 2017

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)

Teaching assistant for the lecture 'digital technology'.

EDUCATION

M. Sc. Electrical Engineering and Information Technology Karlsruhe Institute of Technology (KIT)

April 2016 - March 2019

Focus on systems engineering and robotics.

- Master's 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 (video of the main features available at https://youtu.be/lzfua5T34Ag)
- Final grade: 1.4 (very good), thesis grade: 1.0 (very good)

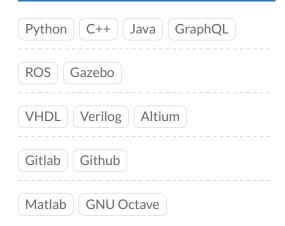
B. Sc. Electrical Engineering and Information Technology Karlsruhe Institute of Technology (KIT)

March 2016

Focus on hardware design.

- Bachelor's thesis on "Concept and implementation of a wireless wearable motion tracking device based on an AHRS" at the High Performance Humanoid Technologies lab (H2T)
- Final grade: 2.5 (good), thesis grade: 1.0 (very good)

SKILLS



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

Ctober 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)

Polytechnischer Verein Karlsruhe

Ctober 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

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

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