Laurenz Seidel

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Personal Information

Date and place of birth	March 15, 1997 in Bonn (Germany)
Languages	German, English (C2), Spanish (A1), Korean (A1)
Scholarships	Studienstiftung des deutschen Volkes, Fulbright, Erasmus+

Education

2019 - 2023 — **IT Systems Engineering M. Sc**. – Hasso-Plattner-Institute (Potsdam, Germany), final grade: 1.3 (max is 1.0)
- Subjects like Big Data Systems, Computational Statistics, Future Interactive Technologies, Practical Applications of Deep Learning

10/18 – 01/19 — **University of the Basque Country** in San Sebastián, Spain
- Semester abroad with subjects in AI and civil architecture

10/17 – 02/18 — **Design Thinking Basic Track** – HPI School of Design Thinking, final grade: 1.0
- Consulting project using Design Thinking for isaac nutrition (insect protein start-up)

2015 – 2018 — **IT Systems Engineering B. Sc**. – Hasso-Plattner-Institute, final grade: 1.5

Professional Experiences

04/22 – 08/23 — **Research Assistant: Research-To-Market Realization for Digital Fabrication**
Kyub GmbH and Human-Computer-Interaction lab at HPI
- Kyub is a software start-up bringing physical engineering methods into schools
- Developed patent-pending mechanism enabling market viability of fabr. procedure
- Built technology stack (Python, Computer Vision) extending machine capabilities, upgraded research prototype for production system (Python, TypeScript)
- Co-supervised one master student and three bachelor students

05/21 – 10/21 — **Visiting Researcher: Building Haptic and AR Systems (South Korea)**
Human-Computer-Interaction lab at 한국과학기술원 KAIST
- Advised on and implemented processing pipeline (Python) for data evaluation
- Built technology stack (C++, C#) to control distributed haptics platform

08/20 – 03/21 — **Research Assistant: Intercompatibility of Digital Fabrication**
Kyub GmbH and Human-Computer-Interaction lab at HPI
- Designed and implemented algorithm (TypeScript) enabling key data import

2017 — **Freelancer for Calliope GmbH**
- Calliope is an education start-up making micro-computers accessible
- Developed and held workshops for Siemens family, Siemens executives and Telekom foundation

08/16 – 10/16 — **Internship at Remerge GmbH**
- Implemented anomaly detection (Golang) for Remerge's customer KPIs

Peer-Reviewed Academic Publications

Fabrication	4x full paper at CHI '21, UIST '21, UIST '22
Augmented Reality	1x full paper at CHI '23
Deep Learning	1x full paper at DICTA '20
Data Mining	1x demo paper at WWW '18

Volunteering and Projects

2016 - 2021 — 2x elected head of student associations, 1x student representative at faculty board, 1x student representative for appeal commission, teacher at Corona School e.V.
- cooperation with univ. CEO, professors, professorial candidates, univ. administration, student associations, high school students
- development and organization of STEM workshops, multi-day camps, univ. events, teaching evaluation

Projects — Personal projects involving crowd games, chatbots, web technologies and more (Java TypeScript/JavaScript, React, Python, Swift). See my website www.laurenzseidel.com for detailed descriptions.