Dr. Chris Schindlbeck

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EXPERIENCE

AUG 2020 – TODAY

IAV GmbH
DevOps/CICD Software Engineer

DevOps (CI/CD), Cloud (AWS) Development and SW Test-Management for Windturbines

MLOps: Deploy Machine Learning (Reinforcement Learning) to Kubeflow via Kubernetes

DevOps (CI/CD), SW Integration Management, and ROS/ROS2 Development for a Harvesting Robot

Guidance, Navigation and Control for Unmanned Aerial Vehicles (C/C++ on Embedded Systems)

JUN – JUL 2020

EXIN
Training as Scrum Master / Product Owner

EXIN Certification in Scrum (Product Owner, Scrum Master)

MAR – MAY 2020

Freelance
Software Developer for Computer Vision

Freelance Computer Vision (Python, OpenCV) Tasks for Autonomous Driving (Navigation, Object Detection)

OCT 2013 – DEC 2019

Leibniz Universität Hannover
Research Assistant - Robotics & Optics

Software Development for Image-based Sensor Fusion and Robotic Force Control
Lecturer "Optical Metrology" (english)
Supervisor "Robust Control" and "Control Theory 1 & 2" (german)
IT-Representative und Serveradministrator

NOV 2012 – SEP 2013

Kastanienbaum GmbH (now Franka Emika)
Software Developer for Robotics

Modeling, Identification and Control of Low-cost Lightweight Robots With Flexible and Coupled Joints

OCT 2011 – SEP 2012

German Aerospace Center (DLR)
Diploma Student

Optimal Control of Robots with Intrinsically Elastic Joints

FEB – MAY 2011

Technische Universität München
Student Assistant

C++ Implementation of Optimal Control Methods for human Arm-Movements

SKILLS

DevOps & Cloud
git, Docker, Linux, Ansible, Terraform, GitLab, GitLab CI, GitHub, GitHub Actions, Azure DevOps, AWS

Programming Languages
Python, bash, Powershell, Lua, C/C++, Matlab / Simulink / Stateflow, Rust

Software Development
Linux, Robot Operating System (ROS, ROS2), Agile Development (Scrum, Kanban), Free and Open Source Software, Object-oriented Design

Domain Knowledge
Robotics, Control, Motion Planning, Sensor Fusion, Signal- & Image Processing, Machine Learning

CERTIFICATIONS

2022 **Certified Professional for Software Architect (CPSA-F)**
iSAQB

2020 **Agile Scrum Master / Product Owner**
EXIN

2020 **Self-Driving Cars Specialization**
Coursera

2014 **Machine Learning**
Coursera

2013 **Interactive Programming in Python**
Coursera

EDUCATION

2019 **PhD Robotics**
(DR.-ING.) GRADE: SUMMA CUM LAUDE (EXCELLENT)
Leibniz Universität Hannover

2012 **Diploma Mathematics**
(DIPL.-TECH. MATH. UNIV.) GRADE: VERY GOOD (1.4)
Technische Universität München

LANGUAGES

GERMAN   C3
ENGLISH   C2
SPANISH   B1