ANDREAS KIESEL

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CURRICULUM VITAE

ABOUT ME

As a test development engineer with a Master of Science in electrical and information technology, my broad career has given me extensive insights into various specialist areas. I discovered my passion for software development and continuously expanded my knowledge and skills by acquiring various certificates and through self-study. Now I am faced with the exciting challenge of taking the important step into the field of web and app development. My goal is to support my future employer with my in-depth expertise and to take on new challenges every day in order to further develop my skills.

WORK EXPERIENCE

Since 09/2023	*SenDev GmbH | Mini job*

Software Engineer

‣ Development PickATask:
Development of a to-do list app based on a points and reward system using .net MAUI and Blazor

‣ Development iOSScan:
Development of a document scanning tool for integration into a .net MAUI project

Since 04/2022	*Elmos Semiconductor SE | Dortmund*

Test Development Engineer

‣ Development of test hardware:
Layout and design of the required circuit for testing the IC
Commissioning and verification of the DUT board (Device Under test) on the T2000 IPSE test machine

‣ Development of test software:
Hardware-related programming on T2000 IPSE test machine to verify the developed test hardware
Generation of automated scripts for efficient implementation of test software
Creating specific patterns to configure the hardware to be tested

11/2021 – 04/2022	*PSW automotive Engineering GmbH | Gaimersheim*

Function Owner ADAS

‣ Active safety:
Execution and evaluation of test cases with CANoe/CAPL based on real measured values in the PreCrash area
Processing of specifications in Doors to check the required parameters in the PreCrash area
Verification of the parameters in real time under real conditions in the vehicle

‣ Tooling for responsible functions:
Programming scripts to create test reports based on measured values
Use of various plugins to graphically display the measured values using an HTML plot

01/2019 – 04/2020	*Fraunhofer IML | Dortmund*

Working Student

‣ Hardware development of smart devices for proof-of-concept
‣ Hardware-related programming (Raspberry Pi)
‣ Creation of layout and circuitry

09/2016 – 04/2017	*WILO SE | Dortmund*

Working Student

| 05/2015 – 09/2015 | *Siemens AG | Mülheim a.d. Ruhr* |
| | **Operating Experience** |

EDUCATION

10/2017 – 09/2020	*"Technische Universität Dortmund"	Dortmund*
	Major: Electrical Engineering and Information Technology	Master of Science (2,3)
	Thesis: Compilation of physically motivated propagation models for indoor radio propagation
	Advisor: Dr. Ing. Wolfgang Endemann

04/2017 – 09/2017	*Tohoku University	Sendai (Japan)*
	Major: Electrical and Biomedical Engineering	Visiting student
	Professor: Yoshinobu TATSUO

10/2015 – 09/2016	*Tohoku University	Sendai (Japan)*
	Major: Aerospace Engineering	Exchange year
	Professor: Tanjuro MAKIHARA

10/2012 – 09/2015	*"Technische Universität Dortmund"	Dortmund*
	Major: Electrical Engineering and Information Technology	Bachelor of Science (2,0)
	Thesis: Optimization of the thermal response of a sensor diode using modeling and technological simulation
	Advisor: Dr. Ing. Sven Ebschke

| 09/2004 – 06/2012 | *Immanuel-Kant-Gymnasium | Dortmund* |
| | **Main Subjects: Math, Physics** | Abitur (General university entrance qualification) |

CERTIFICATES

08/2023	Meta Front-End Developer
04/2023	Codecademy: Full-Stack Engineer
02/2023	Integrata Cegos: C++ for Beginners
09/2022	Codecademy: iOS Developer Career Path
08/2022	Codecademy: Learn Intermediate Swift Course
08/2021	AlgoExpert: Certificate of Completion

ABILITIES AND KNOWLEDGE

Programming	HTML / CSS / JavaScript, Swift, Python, C / C++, C#
	Git / GitHub, TortoiseSVN, .net MAUI, Blazor, React, Redux, JEST, Node.js, Express.js, SQL, SQLite, PostgreSQL, RESTful API
Professional	Advantest T2000 IPSE, Altium, Eagle, CANoe, CAPL, DOORS,
Language	German, Russian: Native
	English: C1/C2
	Japanese: B2/C1

OTHER

| Hobbies | Sports (Running, Fitness, Soccer, Diving), Music (Piano), Programming |