

Martin Haensch, B.Eng.

Menlo Park, CA

✓ Eligibility: Eligible to work in the U.S.

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SUMMARY

I am a motivated, reliable and dedicated German automation engineer and a full stack software developer with 4+ years of professional experience. I successfully launched my first self-developed industrial smart home web application "smart.ModorCorrente" on the German market in 2019. Since I recently moved to the US I am now looking for new professional challenges and development opportunities as a Software Engineer in the Bay Area.

EDUCATION

THM, Germany	University of Applied Sciences Mittelhessen	10/2014 - 05/2018
<ul style="list-style-type: none">Degree: B. Eng. (Electrical and Information Technology / Automation Engineer)Programming Coursework: Algorithms and data structures, Web Development, Databases, Front-End Engineer, RESTful WebAPIs, Design Patterns		

RELEVANT WORK EXPERIENCE

Entrepreneur & Software Engineer	In cooperation with TeDatCo, Germany	05/2018 - 08/2020
smart.ModorCorrente (http://cloudswitching.de): Cloud-based PLC controlling system / smart home for industrial purposes		
<ul style="list-style-type: none">Developing and programming of a functional PLC (S7-1200) that connects to an external server with minimal data usageManaging and documenting the entire project including training external staffDesigning and programming of external interfaces to manage the connections of the external PLCs and to receive dataAdministering and organizing No-SQL database relationships between multiple clientsProgramming a customer-friendly website to control PLC outputs and display current dataProduct information: Product launched in the German market in 2019, it optimizes maintenance while reducing downtime up to 100%. Reported savings from current customers up to 600k Euro.		
Utilized: HTML, CSS, JavaScript, AJAX, PHP, C#, MongoDB, TIA Portal, SCL, TCP/IP, Git		

Electrical Engineer	TeDatCo GmbH, Germany	05/2018 - 08/2020
ModorCorrente (www.modorCorrente.de): System for remote control for renewable energy (wind, solar)		
<ul style="list-style-type: none">Planning and installing control systems for renewable energy components (e.g., wind turbines)Creating networks for communication of diverse components (Ethernet, fieldbus)Splicing of glass fibres (9µm – 62,5µm) inclusive attenuating measurements of glass fibresPreparing technical drawings and Handling circuit diagramsMounting control cabinet including on-site troubleshootingPLC Programming (Siemens S7-Series)		
Utilized: TIA Portal, SPlan, Network technologies, Antenna technology, GSM, Bus Protocols, Glass fiber technologies		

External Data Analyst	Philipps University Marburg, Germany	01/2017 - 01/2018
<ul style="list-style-type: none">Preparing and processing physiological data, e.g. with excelScripting and facilitating data management for research staff		
Utilized: MS Excel, VBA		

Student Trainee	TeDatCo GmbH, Germany	10/2015 - 05/2018
Energy Timetable: VBA programmed automatic timetable.		
<ul style="list-style-type: none">Programming of a VBA-Excel application for a large industrial food retailer (www.gemuese-meyer.de)General information: The application automatically creates an energy timetable		
Utilized: MS Excel, VBA		

Vocational Training / Office Manager	PMCS GmbH & Co. KG, Germany	08/2009 - 06/2012
Military Service (First-Aid Department)	German Military, Germany	07/2007 - 05/2009

PRIVATE PROJECTS

"Bartists" (in progress): Platform to connect bars and artists		
<ul style="list-style-type: none">Full stack web development project including frontend, backend and the design		
Utilized: HTML, CSS, JavaScript, Vue.js, PHP, Laravel, MySQL		
"Plantguard" (smart home application): Controller to water plants automatically		
<ul style="list-style-type: none">Programming a NodeESP-Board with sensors and actors to water plants automatically		
Utilized: Arduino Software, C		

SKILLS

PHP, Python, HTML5, CSS3, JavaScript, C#, Git, Visual Basic, Vue.js, Laravel, SQL, NoSQL, NodeJS, React