Daniel Schwab

Born May 25th, 1991 in Munich - German citizen

Thinking then doing – hands on mentality – no good design without beauty

I love to solve problems with a creative and reasonable solution

And I have a high affinity to learning new stuff

Work Experience

Freelance Mechanical Design Engineer

since May 2018
International Customers, spoken languages: German, English

Projects

Cable Camera Dollies for Sport Events
       Full development including engineering and design
Industrial High Temperature Furnaces
       Redesign of existing technology integrating evolutionary features
Broadcasting equipment for sport events
       Full development of customized interface equipment

Personal Travel Experience

Oktober 2017 to Mai 2018 – USA, Colombia, Mexico, Cuba

Magazino GmbH

January 2015 to September 2017
Munich, spoken languages: German, English

Responsabilities

Product development of warehouse robots and their subcomponents like grippers, wheelbases or storing devices.
Prototype and serial design including calculation and engineering of parts and assemblies.
Production and assembly of prototypes
Ownership of engineering design of full robot (https://www.magazino.eu/produkte/soto/)
Coordination with stakeholders
Maintenance of CAD / PDM infrastructure (Enterprise PDM by Dassault Systèmes)

As Senior

Coordination of a team of 5 mechanical engineers,
Technical advisor
Supervisor for bachelor thesis in mechanical engineering
Hiring process for hardware department

Institute of Automation and Information Systems (Technical University Munich)

Oktober 2012 – Dezember 2014

Tutor

Course: "Principles of Modern Information Technology"
Teaching, guided programming in C, mid-term tests

Student assistant

Numerical system simulation with Matlab/Simulink

Skills and Knowledge

Engineering

Mechanical design
Great 3-dimensional imagination
Creative design of complex mechanical devices
Design of cinematic and mechatronic systems
Prototype design and production
Pre-Series Design – Calculation and Optimization
High amount of general and technical knowledge

Technical design
Calculation of mechanic loads
Configuration of electrical and mechanical components

Methods
Product design
Idea generation
Solution rating and decisions
Agile development
Confluence/JIRA

Workshop
Machining, mechanical and electrical assembly

Programming

Html / CSS
Beginner level of Website Design with HTML5

C/C++
As learned and taught in University

VBA
Self-trained for use with Excel and the Automation of Inventor

Languages

German
Native language

English
Professional working proficiency

Spanish
Limited working proficiency

Italian
Basic knowledge

Software

Solidworks
Part and assembly design (solid bodies and surface models)
Cinematics design
Solidworks PDM management and Implementation
3 years of work experience

Inventor
Parts and assembly design (mainly solid bodies)
Full parametric modeling (parts and assembly)
Scripted modeling (VBA)
1.5 years of work experience

Siemens NX 12
Parts and assembly design (mainly solid bodies)
Full parametric design
1 year of work experience

Microsoft
Word, Excel with VBA, Visio, Expression Web 4, VS Code

Education

University Vienna

Bachelor of Arts in Linguistics
Second Semester
Current Score: 1.0 (GPA 4.0)

Bachelor of Arts in Romance Studies
Second Semester - Main Language Spanish
Current Score: 1.75 (GPA 3.3)

Technical University Munich

Bachelor of Science in Product Development and Engineering Design
Passed 2015 with overall grade of 2.4 (GPA 2.7)
Bachelor Thesis graded with 1.3 (GPA 3.7)

Gabriel-von-Seidl-Gymnasium, Bad Tölz

Mathematical and scientific Abitur
Passed 2010 with overall grade of 1.9 (GPA 3.0)