

Project List:

Otto Bock Healthcare Products GmbH:

Main electronics engineer

ELECTRONICS FOR NEW HAND PROSTHETIC SYSTEM (long term project)
 Design of electronics concept for BLDC motor control
 Electronics development for proprietary bus system for prosthetic systems
 Design and inventions of sensors for positioning applications
 Miniaturization concepts including duroplast molding of electronics

Phocos Europe GmbH:

Main electronics engineer

SOLAR REFRIGERATOR ELECTRONICS WITH INTELLIGENT POWER MANAGEMENT
 Development of electronics (from idea to batch production).
 CONTROL ELECTRONICS FOR FUEL CELL – OFF GRID POWER SUPPLY
 Development of Electronics (from idea to prototype)
 WORK IN CHINA
 Solving problems with supplier in China, building up test equipment
 (including training of colleagues how to design)

Technikum Wien:

STUDENT REPRESENTATIVE (Department of Electronics)

 SOLAR2000 – Electronic ---- Development Aid Project ----
 Development of hard- and firmware for a solar lamp for production in countries like
 TANZANIA and UGANDA with integrated charge control, status display (dual color LED) and
 multiple protection functions

 PHOTO COPY MACHINE FOR STUDENTS (CANON ir5000)
 Invite offers; estimation of risks; negotiation of price; contract value € 18.300

 BUILDING PROTOTYPES ON BREADBOARD PRINTED CIRCUIT BOARDS
 Voluntary course for 30 students planned and executed (as trainer)

 SATELLITE POWER SYSTEMS – COMMERCIAL PRODUCTS IN SPACE
 Work on Satellite Power Systems and influencing factors.

Digitalelektronik GmbH:

During my apprenticeship

Network-compatible order- and charging software with graphics and mouse function (DOS)

Project manager and design engineer

BMW air conditioning control module

Involved in the following projects

DIGICARD	Farberkennung (color sensor for thermo transfer printer for plastic cards)
CARD	Kartenmischer (shuffler for casinos)
APCOA/SKIDATA	Parkscheinautomat (GSM – interlinked, solar powered parking certificate machine) sizing of solar power supply; payment model; ticket layout; GSM – interlink; tariff choose wheel
SKF	MEB95 (industrial PC for noise monitoring in production process of ball bearings)
KESSEL	Optosonde (optical liquid level sensor)
DE	Thermodrucker (high speed thermo printer with integrated dot control)
DE	MOZY (redesign of electromechanical adapter for key cylinder)
DE	Transponderlesegerät (electronic devices for reading multiple RF – transponders)

Responsible for concept and bidding

KESSEL	Leitwertsonde (conductance sensor)
SKF	MEBneu (concept for a new ball bearing – monitoring system)
DIGY	Park (digital parking disk with billing) Elektronische Preisanzeige (electronic price display)
ÖBB	Fahrscheinautomat – (fix) (ticketing machine for stationary operation)
ÖBB	Fahrscheinautomat – (mobile) (ticketing machine for mobile operation)
SKIDATA	Stellplatzanzeige (red/green LED storage position notice for parking garage)

Courses:

2007	OFI (Vienna, A)	European Adhesive Bonder
2007	IZM (Berlin, D)	electronic system packaging
2002	Atomic Institute (Vienna, A)	Solar Cell Physics (including manufacturing)
2002	ARC (Seibersdorf, A)	EMV