Tunahan Celebi

Winston-Salem, NC 27104

(551) 999-2277 iamtunahancelebi@gmail.com

- -

PROFESSIONAL SUMMARY

Background includes creating, designing, developing, testing and organizing expertise. Skilled in working with standard protocols, power designs and machine controls. Proficient in Electronics Engineering. Knowledgeable Electronics Engineering with solid grasp of development, implementation and optimization of PCB and micro circuits. Able to apply core concepts and theories of electrical engineering to design planning and layout optimization. Ready to bring 6 years experience to dynamic position in fast-paced environment. Enthusiastic Electronics Engineering eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of software and hardware and training in all related areas. Motivated to learn, grow and excel in microelectronics. Experienced Electronics Engineering with over 5 years of experience in automotive and telecommunication. Excellent reputation for resolving problems and improving customer satisfaction. Electrical and Electronics Engineering with over 6 years of successful experience in hardware and software. Recognized consistently for performance excellence and contributions to success in microelectronics industry. Strengths in creating and developing backed by training in all microelectronics industry.

ACCOMPLISHMENTS

- Documented and resolved one of never made test in lab which led to 30k € profit to company in Odelo Company career.
- Used Microsoft Excel to develop inventory tracking spreadsheets.
- Resolved product issue through consumer testing.
- Collaborated with team of 5 in the development of Volkswagen Headlight tests in Odelo Company Career.
- Supervised team of 3 staff members in Odelo Company Career.

SKILLS

- Diagnostic software development
- Worst-case analysis
- Product optimization
- Troubleshooting skills
- Warranty reviewing

- MATLAB
- Verilog
- VHDL
- FPGA
- Arduino

- Embedded software design
- Problem resolution
- Project organization
- MS Office
- Relationship development
- C#
- C++
- C

- Raspberry PI
- NI Multisim
- LABView
- SIBO Power interface
- Tektronix ossciloscope
- SWBox 32 Channels Multimeter
- AVG Multimeter

WORK HISTORY

ELECTRONICS ENGINEER | 07/2018 to 07/2019
Odelo Automotive Signal Lights (HQ In Germany) - Bursa, Turkey

- Created and strengthened testing procedures to enhance quality controls.
- Completed calculations and design simulations to assess power needs and choose optimal components.
- Led product testing, failure investigations and corrective action planning.
- Oversaw complete life cycle of design, from initial concepts through production support.
- Worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.
- Maintained excellent attendance record, consistently arriving to work on time.
- Built PCBs and headlights electronics boards to serve current technology requirements and meet needs of next-generation applications.
- Set up and connected efficient interfaces to handle more than 5 tasks simultaneously.
- Developed adaptive systems that flex to meet wide range of requests.
- Used international standards(ISO based) to make hardware and software tests.
- Made high volume tests with high volume materials(between 400k to 1M).
- I Provided high level profit(around 30k €) to company with bringing intelligence new testing styles and innovations.
- Used C#, C++, MATLAB, Proteus, PIC C Compiler, LABView, Xilinx, FPGA, Verilog, SIBO Power suppliers, SW Box 32 Channels Multimeter, Tektronix oscilloscopes, High Voltage DC and AC Power suppliers.

ELECTRONICS ENGINEER | 06/2017 to 12/2017
Turk Telecommunications AS - Bursa, Turkey

- Used information in technical diagrams, schematics and manuals to understand operations and make successful repairs.
- Responded to problems with processing and production equipment and completed timely repairs.
- Revamped systems and upgraded wiring, PLCs and drives to handle changing needs.
- Inspected systems, diagnosed problems and developed optimal solutions.
- Completed proactive maintenance and repair actions to keep equipment operating

at peak levels.
- Maintained excellent attendance record, consistently arriving to work on time.
- Worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.
- Experienced everything about telecommunications and internet technology.
- Completed 10 projects using with C#.

ELECTRICAL AND ELECTRONICS ENGINEER | 10/2016 to 06/2018
Dokuz Eylul University - Izmir, Turkey

- Created electrical schematics using AutoCAD Electrical Toolset.
- Determined most effective approaches to new projects by reading and analyzing blueprints, drawings and sketches.
- Created, aligned and optimized electrical instrumentation and testing equipment.
- Monitored manufacturing operations of electrical devices for compliance with safety protocols.
- Proposed electrical product and system modifications to improve quality and efficiency.
- Inspected completed installations to observe operations and verify conformance to design and equipment specifications.
- Evaluated installed electrical equipment and systems to isolate faults and implement corrective actions.
- Troubleshot electrical equipment problems such as electro-valves and sensors.
- Spearheaded tendering and negotiation process for critical products and services to reduce costs and allow early contractor involvement.
- Improved methods for measurement, documentation and work flow management.
- Mentored junior engineers and new hires to better improve competency and efficiency of all staff.
- Evaluated project scope to estimate costs and set timelines for project delivery.
- Designed multi-agent system for organization in automotive industry.
- Used Kirchhoff formulas to calculate current loads and short circuit currents.
- Implemented and approved design control procedures for electrical development in accordance with regulatory guidelines.
- Communicated with engineers and customers to discuss potential and existing engineering projects.
- Confirmed system and component capabilities by designing testing methods and testing properties.
- Prepared technical documentation for operation, troubleshooting and maintenance of industrial systems.
- Prepared budgets by estimating materials, labor and construction costs.
- Managed engineering changes using SAP systems.
- Retested electrical products and systems to determine whether modifications have desired effect.
- Performed maintenance procedures and repairs on existing electrical products and

systems.

- Created project prototypes and models using three-dimensional design software.
- Identified specific cables, connectors, fuses, circuit breakers and other electrical devices required for installation of monitoring systems and weapons detection systems.
- Initiated project management knowledge study and subsequently standardized project management practices.
- Monitored installation and operations to consistently meet rigorous customer requirements.
- Evaluated vehicle electrical systems and components by designing and conducting research programs.
- Performed in-depth electrical acceptance testing of completed hardware, including continuity and high-potential isolation testing.
- Developed software electrical products by studying customer requirements and researching and testing manufacturing and assembly methods and materials.
- Validated small product and subsystem performance by performing analysis, simulation and laboratory testing.
- Used C#, C++, MATLAB, Arduino, Raspberry PI, Proteus, PIC C Compiler, FPGA, Verliog, LABView, NI Multisim, AC DC Power Suppliers.

ELECTRONICS ENGINEER | 09/2013 to 07/2016
Turkish Military Academy - Ankara, Turkey

- Oversaw complete life cycle of design, from initial concepts through production support.
- Created and strengthened testing procedures to enhance quality controls.
- Completed calculations and design simulations to assess power needs and choose optimal components.
- Set up and connected efficient interfaces to handle more than 3 tasks simultaneously.
- Developed adaptive systems that flex to meet wide range of requests.
- Worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.
- Maintained excellent attendance record, consistently arriving to work on time.
- Led product testing, failure investigations and corrective action planning.
- Used C#, C++, MATLAB, C, Proteus, PIC C Compiler, Arduino

EDUCATION

Dokuz Eylul University - Izmir, Turkey | Bachelor of Engineering
Electrical And Electronics Engineering, 06/2018
- *Education language: English.*

IPC (electronics) - FED-Fachverband Elektronik Design E.V. - Germany | Certified IPC Specialist
Microelectronics, 03/2019
- Professional development completed in IPC-A-610

- Member of IPC as Certified IPC Specialist (CIS) with Serial No. A610SF-19032795722.
- *Education language: English*

Turkish Military Academy - Ankara, Turkey | Bachelor of Engineering
Electronics Engineering, 07/2016
- *Education language: English*