JUSTAS BACINSKAS

Engineering Management (M.Sc.)

Avionics and Electrical engineer (B.Sc.)

22.12.1995
justas.bac@outlook.com
+4915738201804
Nationality: Lithuanian
(EU citizen)

Birkenfeldstraße 10
86157 Augsburg

Justas Bacinskas

English ○○○○○
Lithuanian ○○○○○
Swedish ○○○○
Russian ○○
German ○

Driving licenses: AM, B, B1

EDUCATION

Master of Science in Engineering Management

Jönköping University *Jönköping, Sweden*
08.2019 – 06.2020

Subjects studied: Accounting & Finance for Managers, Research Methods in Management, Strategic Entrepreneurship and Innovation, Leading with People, Industrial Marketing and Supply Chain Management.

Master Thesis "A study on how new customer-facing technologies in airports affect the customer satisfaction"

Bachelor of Science in Avionics and Electrical Engineering

Vilnius Gediminas Technical University *Vilnius, Lithuania*
09.2015 – 06.2019

Main subjects studied: Fundamentals of Electronics, C/C++ Programming, Digital Devices, Automatic Control Theory, Signals and Circuits, Electrical Machines, Methods of Radio Navigation and Radiolocation, IT, Electrical Engineering, UAV and their Systems, Aviation Radio RF Technique, Aircraft Electronic Systems, Aircraft Powerplant and Functional Systems, Applied Engineering Graphics.

Bachelor exchange studies in Aeronautics Engineering

Brno University of Technology *Brno, Czech Republic*
01.2018 – 06.2018

Subjects studied: Aircraft Design, Aircraft Maintenance, Aircraft On-Board Systems, Aircraft Testing, Airports, Flight Mechanics, Control Theory.

EXPERIENCE

R&D Consultant

Science Park *Jönköping, Sweden* *12.2019 – 04.2020*

My team consisted of 5 people and we were working for a Business management consultant company called Science Park. We were assigned one of their clients which was a company called SB International AB and got the chance to put our Project Management theoretical knowledge into practice. Main tasks within this project:

- Creating a project plan and tasks to reach project goals
- Market analysis for the Greek market
- Identifying customers
- Identifying distributors and franchisees
- Identifying market factors that differentiate or are similar to the Greek market
- Developing a strategy to approach the Greek market

Used methods und tools:
MS-Office, SAP, Onedrive

Electronics hardware developer

Vilnius Tech University *Vilnius, Lithuania* *02.2018 – 06.2019*

Projects at University. Designing electronic circuits and PCB layouts with Altium Designer: drawing schematics, creating libraries, routing, component placing in 3D environment, creating assembly drawings, generating Gerbers, Bill of Materials (BOM), NC Drill, Pick and Place files. Projects done:

- FM Transmitter
- Mobile Call Detector
- Radio Frequency Beacon 433 MHz
- Dark/Light Indicator
- Battery Voltage Monitor
- Li-Po Battery Charger (Rigid Flex PCB)

Used methods und tools:
Altium Designer, Sprint-Layout, Proteus-Proffesional, ViewMate, Multimeter, Osciloscope, Spectrum Analyzer, Photolitography, Soldering

Software:

- ✓ Altium Designer
- ✓ Proteus
- ✓ Sprint-Layout
- ✓ Simulink
- ✓ MatLAB
- ✓ AutoCAD
- ✓ C/C++
- ✓ SAP
- ✓ MS Office
- ✓ Arduino IDE
- ✓ Pawn (programming language)

Skills and tools:

- ✓ PCB design
- ✓ Electronic Hardware Development
- ✓ Soldering
- ✓ Oscilloscope
- ✓ Spectrum Analyzer
- ✓ Multimeter
- ✓ Arduino
- ✓ Photolithography
- ✓ Avionics

Interests:

- ✓ Aviation
- ✓ Travelling
- ✓ Volleyball
- ✓ Basketball
- ✓ Friends
- ✓ Technologies

Avionics technician

FL Technics *Vilnius, Lithuania* *10.2018 – 05.2019*

Team member of 7 avionic specialists at the MRO company (EASA Part-145).

- Conducting inspections and tests of newly arrived aircraft (A320 and B737);
- Adjusting, repairing, installing the electronic components of aircraft navigation, communication and flight-control systems;
- Performing modifications ordered by aircraft manufacturer;
- Making sure all newly installed or repaired systems meet requirements set by Airbus or Boeing.

Used methods und tools:

SAP, Airbus Maintenance Manual (AMM), Boeing Maintenance Manual, ESPM, soldering, wiring

Bachelor thesis

Vilnius Tech *Vilnius, Lithuania* *11.2018 – 05.2019*

Long range telemetry cryptographic system design for the unmanned aerial vehicle

- Research on telemetry, cryptographic systems and UAV
- Selecting the most suitable cryptographic system
- Choose components and design hardware that cryptographic system would process the data in the speed of at least 300 bit/s
- Make a reasonable choice between symmetrical and asymmetrical encryption
- Design hardware system that would be able to encrypt and decrypt the data at the same time
- Design electrical, cryptographic system and algorithm drawings

Used methods und tools:

sPlan, Arduino, Arduino IDE, C/C++, Microsoft Visio

Augsburg, 14.12.2020