

ALJAŽ TITORIČ

HARDWARE DESIGN ENGINEER

RÉSUMÉ

My name is Aljaž Titorič and I am an accomplished Hardware Design Engineer with experience gained from companies such as ASML, iSYSTEM Labs and Beyond Devices. I have a passion for hardware electronics, designing new products and pushing the boundaries of what is achievable.

Send me an email on hi@aljztitoric.com or drop me a call on [+386 40 567 977](tel:+38640567977)

EDUCATION

UNIVERSITY OF LJUBLJANA
Faculty of Electrical Engineering
Electrical Engineering - Electronics

MIDEM conference 2012 - Application of Anisotropic Magnetoresistive sensors for detection of changes in organ activity

B.Sc. dissertation - Design of multilayer PCB and custom enclosure for the ACTIVE PROBE INFINEON DAP device. The project was designed with ECAD Cadence OrCAD and MCAD SolidWorks.

ADDITIONAL COURSES

Altium Designer @FEDEVEL Academy
Schematic and PCB Design Course

SolidWorks @IB-CADDY
SolidWorks Course: Part, Assembly, Drawing, Base simulations

SKILLS

EXPERTISE

Product development (HW) | Schematic design | Multilayer PCB layout (high speed design) | Defining custom stacks | Designing PDN | Prototyping, assembling and testing PCBs | Documentation and instruction writing/drawing | Enclosure design

DEVELOPMENT

Altium Designer | Cadence OrCAD | Eagle AUTODESK | KiCad | LT Spice | CorelDraw | SolidWorks | Alibre Design | Microsoft Office | Adobe LightRoom | FAB 3000 Numerical Innovations

LANGUAGES

Slovenian | English | Croatian | Serbian

HOBBIES

Photography | Cars | Kayak Sprint | Technology | Travel



CAREER HIGHLIGHT

ASML Holding N.V. 02/2019 - PRESENT

HARDWARE DESIGN ENGINEER

*Designing the Digital Control Circuitry for high power PSUs, used for driving the photolithography machines (semiconductor industry) to achieve a few nanometers accuracy.
Tool: Mentor Graphics*

1ozfactory d.o.o. 03/2018 - PRESENT

CEO / OWNER / FREELANCER / PRODUCT DESIGNER

*Designing multilayer printed circuit boards with couple of hundred electrical components, high speed digital & analog signals, power supplies, etc.
Tool: Altium Designer & Cadence OrCAD*

*Designing custom enclosures for electrical devices from metal sheets, milled aluminum, etc.
Tools: SolidWorks, 3D prototyping / printing*

iSYSTEM Labs 10/2015 - 02/2019

PCB DESIGN ENGINEER

*Designing multilayer printed circuit boards with couple of hundred electrical components, high speed digital & analog signals, power supplies, etc.
Tool: Cadence OrCAD*

*Designing custom enclosures for electrical devices from metal sheets, milled aluminum, etc.
Tools: SolidWorks, 3D prototyping / printing*

Beyond Devices 07/2014 - 09/2015

PCB & MECHANICAL DESIGNER

*Designing multilayer printed circuit boards with couple of hundred electrical components, high speed digital & analog signals, power supplies, etc.
Tool: Altium Designer*

*Designing custom enclosures for electrical devices from milled aluminum.
Tool: Alibre Design*

I AM ALSO ONLINE





CAREER HIGHLIGHT

Community work

Ljubljana Hardware Meetup

I am a founder and an organizer of Ljubljana Hardware Meetup group. We started the series of events in wish to connect electrical engineers in Slovenia. Events are comprised of lectures from engineers and academics and are also meant for networking.

My work includes hosting, speaking, meeting with other speakers and website maintenance.

Other Community work

Electronics / Hardware Talks Eindhoven Meetup
Organizer, Host, Speaker

Non-profit makerspace Ljubljana

Owner of an open space created for makers in field of electronics.

Technical articles

Author of the technical articles - in partnership with Altium Designer.

Student work

2007 - 2015

SMT, Manufacturing - *Soldering, HW testing*

Atlan, Development - *PCB & mechanical design*

SES Group, Development - *hardware design*

Faculty of EE, Development - *hardware design*

Beyond Devices, Development - *hardware design*

Freelance work

2016 - PRESENT

C&C Design - DTU1000

Designing and manufacturing custom made dental handpiece and micro motor testing unit for using in repair shops.

Tools: Altium Designer, CorelDraw, SolidWorks

Torgbyte - Layout design

Designing 2-6 lay printed circuit boards.

Tools: Altium Designer

ONE LAST THING...

You don't always need a logical reason for doing everything in your life. Do it because you want to, because it's fun, because it makes you happy.

