

EDUCATION

STRATHCLYDE UNIVERSITY

MSc in Electronic & Electrical Engineering

Sep 2020 | Glasgow, Scotland with distinction

UNIVERSITÀ DEGLI STUDI DI TRIESTE

BSc in Electronic Engineering Mar 2019 | Trst, Italy

CONTACTS

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in denisškerk

c) gib4

COURSEWORK

GRADUATE

Advanced Micro Controllers Image & Video Processing Advanced DSP DSP Principles Embedded System Design Professional Studies and Assignments

UNDERGRADUATE

Electronics
Telecommunications
Computer Networks
Automation & Control Systems
Java Programming
Electromagnetic Fields

SKILLS

Economics

PROGRAMMING

Dart • Python • C • C++ • QT Designer

OS & OTHER

Flutter • Linux Red Hat LATEX • HTML

LANGUAGES

English *(advanced)*, Slovenian *(native)*, Italian *(native)*

INTERPERSONAL SKILLS

Can easily adjust in different situations • Conflict resolution and mediation • Listening skills

CAREER EXPERIENCE

U-BLOX | SPECIALIST ENGINEER - VALIDATION MODULES IOT Jan 2024 – Present | Sgonico, Italy

- Network Services Testing: Developed and executed tests for network services in Perl, focusing on cellular modules' functionality.
- Automation Development: Contributed to automating a Linux-based network simulator within the Automated Testing environment using Python and Perl.
- GUI Development: Created a graphical interface using custom Tkinter library in Python for module piloting, integrating with existing terminal control for cost reduction.

LEONARDO - ELECTRONICS | AVIONIC SOFTWARE ENGINEER - EXT. CONSULTANT

May 2021 - Present | Ronchi dei Legionari, Italy

- Radar modelling and simulation in C++ in a multi-process environment that uses a shared memory to enable the communication between them.
- Development of a UI for radar testing with QT Designer 5.
- · Definition of system requirements and system modelling.
- Document writing following the MIL-STD.

RB | Photovoltaic System Designer

Nov 2020 - April 2021 | Frazione Stazione Prosecco, Italy

- Digitisation and automation of the internal processes when designing photovoltaic systems.
- Design and price quotation of photovoltaic systems combined with storage units.

MIPOT HI-TECH COMPANY S.P.A. | SOFTWARE ENGINEERING INTERN IN R&D DEPARTMENT

Oct 2018 - Mar 2019, Nov 2017 | Cormons, Italy

- Developed a protocol bridge between Modbus (RS-485) devices and LoRaWAN RTX module using micro controller and UART communication
- · Built adaptation circuit between Modbus device and micro controller
- Analyzed RF receiving unit performance, optimizing timing for 100% receiving rate while minimizing power consumption
- Validated energy efficiency targets within HCS protocol constraints

PROJECTS

ECG GENERATION USING GAN | MSc DISSERTATION

May 2020 - Aug 2020 | Glasgow, Scotland

- Use a Generative Adversarial Network on Pythorch framework to generate the electrocardiograms.
- · Pre-process the MIT-BIH arrhythmia dataset on Matlab.
- · Model tested on Google's platform Colab.

