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| **Oleg Negruta**  Very enthusiastic graduate software engineer, with working knowledge in Programming, Electronics, and Networks. Enjoying problem-solving and creating helpful, reliable user experiences for clients. | 13, Carbis Rd  London, E14 7TH  **+44 742 743 9531**  [**negrutaoleg@gmail.com**](mailto:negrutaoleg@gmail.com)  **www.linkedin.com/in/oleg-negruta** |

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| **EXPERIENCE****Plexus,** Kelso (United Kingdom) — *Industrial Engineer Associate*March 2020 - June 2020 Work experience student in Continuous Improvement Team  A personal project whose goal was to understand the process entitlement of the manufacturing process. Self-taught **VBA** and **R programming** in less than a month. Used these programming languages to build a manufacturing model that will help to predict the outcomes based on the design (process and product) and processing the data through a statistical method for quality improvement with a Plexus approach.  Then implemented a **Python** script to automate the process of collecting the data from the database and importing it into the spreadsheets. This model helps to define the process yield of each test station and the whole process.  Also had a basic induction in network infrastructure: Design, plan, and implementation of the network (data, voice); Configure and deploy an array of network devices (switches, routers, wireless access points, firewall, etc.) and systems (Cisco, PABX). **Higher Institute for Electronics and Digital Training,** Lille (France) — *Erasmus Student Exchange*September 2019 - December 2020 Build a surveillance system using the camera module for Raspberry pi 3B+ to help people with vision disabilities. As hardware was used **Raspberry Pi** or **Jetson Nano** with the camera module or another USB webcam and a Doppler radar from National Instruments. The logic was fully implemented on **Python** with its deep neural networks (dnn) module from the **OpenCV** library. The system is able to detect nearby objects with help of radar or **Single Shot Detectors** (SSD) algorithm and recognize them with **Mobile Nets** neural network. The output is an audio message through the headset. | **SKILLS**  * -programming C, C++, Matlab, **Python**, VBA, R, **HTML5**, **CSS3**, Bootstrap, **JavaScript**, **React**, **React** **Native**, Linux, **GIT**, **Flask, SQL, SQLite, MariaDB, Figma** * -good command of electronic schematic capture and simulation programs like Autocad, Multisim, LabView, LTSpice, Proteus, OrCad, etc. * -good Electronics and Networks knowledge + CCNA Routing and Switching Introduction to Network  **Personal website** **https://olejekglejek.github.io/** **LANGUAGES** - fluent in English, Romanian and Russian |

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| **University of Highlands and Islands, Moray College,** Elgin (United Kingdom)— *Junior IT Support*July 2019 - September 2019 Internship in the IT department, working as an IT Assistant and having duties like laptop imaging, tidying of cabling in comm rooms, asset checking (checking equipment in rooms against the database), shadowing of technologists, switch configuration, radius authentication, monitoring, resetting.  Implemented automation scripts on operating systems and software updates using **Python** and **bash programming**. Installed and configured two host servers with VMware ESXi virtualization O/S. Installed Server 2012r2 on a server. Created an iSCSI target on the 2012r2 server. Connected the iSCSI to the ESXi host servers as storage, installed VCSA, and used vCenter Service Appliance (VCSA) to manage the two VMware ESXi hosts. Also installed virtual machines using VCSA. Set up a standalone network. **Celestica Inc.,** Oradea (Romania)— *Embedded System Associate*March 2019- June 2019 Developed basic skills and gained knowledge from on job training, such as manual and automotive **PCB assemblies**, testing, conformal coating, **PLC programming**. Looked for opportunities to improve work productivity and efficiency. Also applied new work requirements with minimal supervision. Was able to work cooperatively in a team and the cross-functional team as needed and applied new work requirements with minimal supervision eliminating scrap or reworks. **Plexus Corp,** Oradea (Romania)— *Junior Industrial Engineer*June 2018 - October 2018 Designed new layouts for the production line. Developed and tested new integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics, and material flow, cost analysis, and production coordination. Builtdrafts and designed layouts of equipment, materials, and workspace to illustrate maximum efficiency, using drafting tools such as **Autocad**. Led lean manufacturing and time reduction activities within the focus factory. Applied statistical methods and perform mathematical calculations to determine manufacturing processes, staff requirements, and production standards. Estimated production cost and effect of product design changes for management review, action, and control. **EDUCATION****University of Oradea,** Romania — *Faculty of Electrical Engineering and Informational Technology*October 2016 - July 2020 Specialty in Software Network in Telecommunication. Gained a broad range of knowledge regarding the basics of Electronics and Design, Telecommunications, and IT. Been engaged in several Erasmus internships and placements, Student exchange programs, and hackathons. **Häme University of applied sciences,** Valkeakoski (Finland) — *Erasmus Exchange Student*January 2018 - June 2018 Gained new knowledge about Logic Programming and Human Machine Interface, Telecommunications and Information Security, Metrology + **CCNA Routing and Switching: Introduction to Networks**. I also achieved the A1 level in German and Finnish languages. **The scientific communication session of the student scientific circles,** Sibiu (Romania) — *Diploma of participation*June 2019 - June 2019 Title: Facial recognition with **OpenCV** and Deep Learning on Raspberry Pi Description: Built a surveillance system using **Raspberry** **pi 3B+** and its camera module. The software fully implemented on **Python** using its **Deep Neural Network** (dnn) module from the **OpenCV** library. The system can detect objects using **Single Shot Detector** (SSD) algorithm and **MobileNet** pre-trained neural network to recognize around 21 objects. **PROJECTS****Final Thesis** — *https://github.com/Olejekglejek/Surveilance-System.git* Surveillance system with **artificial intelligence** features, using **Raspberry P**i model 3B+, with the camera module and an NI doppler radar. |