Julian Sherollari

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Objective

- Looking for internship opportunities in Computer/automation/software engineering.

Education

Marche Polytechnic University • Ancona, Italy   Oct. 2015 - Feb. 2020
Bachelor of Computer and Automation Engineering.   • **GPA:** 3.49

Augsburg University of Applied Sciences • Augsburg, Bavaria, Germany   Mar. 2019 - Sep. 2019
Bachelor of Electrical Engineering.   • European Exchange Program

Technical College "G. e M. Montani" • Fermo, Italy   Sep. 2010 - Jul. 2015
Diploma Electronics & Electrical.

Relevant coursework: Software engineering (Object-Oriented Programming (C++), Agile software development), Computer system and Networks, Operating Systems, Algorithm and data structures, Numerical analysis.

Technical Skills

- **Programming languages:** Matlab/Simulink, QT/C++, QML, Git, JSON, Python, LaTex.
- **Collaboration tools:** Codereview, Slack, Google Suite, MS Office Suite, GitHub and Trello

Work Experience

Open Source Developer – Independent   Aug. 2018 - Feb. 2019

- Design and developed class for importing **GeoJSON (RFC7946)** files to Qt framework and viceversa.
- Published autotests, examples and detailed documentation on Qt Doc API (available since Qt 5.13).
- Built Qt application for use cases and debugging purpose.
- Reviewed by the community and submitted **(Git bash, Code Review, Documentation Review, etc...)**.
- List of publications at: https://codereview.qt-project.org/q/owner:%22Julian+Sherollari%22+

Software Engineer – The Qt Company Ltd, Oslo, Norway   May 2018 - Aug. 2018

- Job performed inside the Google Summer of Code 2018 program
- Added GeoJSON interoperability to Qt by modifying Qt Positioning API.
- Accomplished holes support of Qt Positioning API by modifying source files .
- Implemented new classes **(QT/QML/C++)** of positioning module in the Qt framework.

Projects

Kalman Filter and Deep Learning Algorithms for SoC Estimation   Mar. 2019 - Jul. 2019

- This project focused on assessment of three methods State Of Charge (SOC) estimation for Lithium-Ion battery in terms of Extended Kalman Filter (EKF), Artificial Neural Network (ANN) and Open-Circuit Voltage (OCV) **(Matlab/Simulink, LaTex, Microsoft Office)**.

Computational complexity in Algorithms for Solving Linear Systems   Sep. 2018 - Dec. 2018

- The project aimed to develop and analyze the main algorithms for solving system of linear equations. In particular was focused in Gauss–Seidel, Jacobi (iterative methods) and Gauss Elimination (direct method) **(C++, Linux, LaTex).**
- Code: https://github.com/jdotsh/linear-system-solver

Languages and Communications

- **Native: Italian**
- Full professional proficiency: **English**
- Elementary proficiency: **German**, French, Chinese.

Extra Curricular Activities

- Foreign Languages
- Studying Abroad
- Sports (tennis, football, skiing)

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