# ROBERTO PIANELLA

Master's Student in Telecommunication Engineering                    General Resume

## SKILLS

✓ Python
✓ Pandas
✓ Azure Databricks
✓ C/C++
✓ MATLAB

✓ HTML & CSS
✓ SASS
✓ PHP
✓ JavaScript
✓ Arduino

✓ PLC Programming
✓ SFC Programming
✓ Microsoft Office Suite
✓ Beckhoff TwinCAT
✓ CST Studio Suite

✓ Visual Studio Code
✓ LabView
✓ 4nec2
✓ ANSYS Student
✓ DesignSpark PCB

## EMPLOYMENT HISTORY

**Engineer Intern at SES Satellites, The Hague, South Holland, Netherland**
February 2022 – August 2022

System Engineer team, manager Senior System Engineer Pierre Penven:
O3b mPOWER - Refine modelling and analysis capabilities in case of aero routes

**Skills:**

☑ Python
☑ Pandas
☑ Azure Databricks

**Student Intern at Università Politecnica delle Marche, Ancona, Italy**
June 2019 – October 2019

Internship at Telecommunication Laboratory, Prof. Ennio Gambi:
DATA PROCESSING OF AN IOT SENSOR ON A CLOUD PLATFORM

**Skills:**

☑ Python
☑ MATLAB
☑ Arduino

**Work Student at Università Politecnica delle Marche, Ancona, Italy**
February 2018 – June 2018

Università Politecnica delle Marche, Research and Innovation Administration:
DATA ENTERING AND ADMINISTRATION

**Skills:**

☑ MS Excel
☑ MS Access

## EDUCATION

**Master's Degree in Telecommunications Engineering, Alma Mater Studiorum – Università di Bologna, Bologna, Italy**
October 2020 – Present

**ERASMUS+ Programme in Telecommunications Engineering, ESIEE Paris, Paris, France**
September 2021 – January 2022

**Laboratory Project:**
Micro-device for airborne particle analysis
Project on voice coder (vocoder) in MATLAB

**Bachelor's Degree in Computer and Automation Engineering, Università Politecnica delle Marche, Ancona, Italy**
September 2015 – October 2020

**Final dissertation:** Data Processing of an IoT Sensor on a Cloud Platform
**Laboratory Project:**
Application of the Kalman filter for the stabilization of a Ball-bot
Programming of an assembly line in PLC

## LANGUAGES

✓ English (Fluent)
✓ French (Beginner)
✓ Italian (Native Speaker)

## CERTIFICATIONS

**Cambridge Assessment English - B2 First**
June 2019 – Present

**European Computer Driving Licence (ECDL) – FULL STANDARD**
December 2014 – Present

## CONTACT DETAILS

+393315946932
robpianella@gmail.com

**Useful links:**

LinkedIn
Portfolio