Filip Livancic

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- **Github:** `https://github.com/Filpill`
- **Website:** `https://filpill.github.io/`

Education

City, University of London - Aeronautical Engineering (MEng) **Oct 2014 - Jul 2018**

- **Overall grade: First-Class Honours 70.3%**
- **George Daniels Scholarship - Sept 2015**
- **Relevant Modules:** Mathematics and Computing, Systems Engineering, UAV Design

St Gregory's RC Science College **Sep 2007 – Jul 2014**

- **A Level's:** Physics (A), Mathematics (B), Further Mathematics (B), Chemistry (C)
- **GCSE's:** 11 GCSE's (A*-C) Including English and Math

Work Experience

easyJet - Safety Data Analyst **Nov 2021 - Present**

- Designing series of **end-to-end data processes** to generate safety stats for stakeholders using **Python and SQL.**
- Creating **Tableau** dashboards connected directly to **MS SQL Server**; scheduling and monitoring data refresh cycles.
- **Automating data** analysis procedures; executing **python** scripts via batch files to **improve work efficiency.**
- **Automating PowerPoints'** with python-pptx; capable of refreshing over **450 tailor-made slides in under 1 minute.**
- Communicating with operational stakeholders; **providing performance indicators** and identifying gaps in data capture.

TUI Airways - Engineering Safety Analyst **Aug 2018 - Sept 2021**

- Coordinated engineering investigations to generate root cause analysis and assure effective occurrence risk management.
- Leading discussions in the Engineering Safety Action Group, and presenting data to drive risk mitigation actions.
- Improved occurrence reporting process flows with increased clarity and in compliance with SMS regulations.
- Standardised statistical analysis of engineering safety data and KPI's using Python scripts.

Booker Gliding Club – Cadet (Volunteer) **Feb 2013 - Jul 2018**

- Supported airfield operation, preparing airfield launch point with gliders/equipment and ensuring efficient ground movements.
- Identified aircraft defects through the performance of daily inspections to check for serviceability and logging defects.
- Enabled effective flying activity with glider launching, glider retrieval, and performance of the flight log administration.

Projects

Arduino Project - 3D Printed Bluetooth Car **Apr 2020 – Jun 2021**

- Designed car with Solidworks, sliced STL's using Cura, printed parts on Ender 3 printer and assembled hand.
- Created Bluetooth serial communications system in Arduino and implemented GUI interface between PC and Arduino.

UAV Design Project - Payload Challenge - Project Engineer **Oct 2017 – Jul 2018**

- Defined system requirements and aircraft sizing in addition to coordinating aero/structures analysis with detailed design.
- Coordinated manufacture processes of UAV aircraft staged out into sub-systems and supplemented with building procedures.

Skills

Technical Skills

- **Software:** Artix Linux, AMOS, AutoCAD, Cura, MS SQL Server, SolidWorks,Tableau, XFLR5
- **Documentation:** Microsoft Office (Word/Excel/Powerpoint/Visio), LaTeX, Markdown, Vim
- **Programming:** Arduino, GitHub, HTML/CSS, Hugo, MATLAB, Python, SQL, VBA
- **Other:** 3D Printing, UK Driving License, BGA Bronze Badge,HF Investigator
- **Languages:** English(Fluent), Croatian(Native), French(Basic)