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# Filip Livancic

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

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## Education

City, University of London - Aeronautical Engineering (MEng)

Oct 2014 - Jul 2018

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

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

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## Work Experience

easyJet - Safety Data Analyst

Nov 2021 - Present

- **Creating end-to-end data pipelines:** data ingestion with **Pyodbc (via T-SQL query)**, data cleaning with **Pandas** and exporting Excel dashboards with **Xlsxwriter**.
- **Automating data** analysis execution with **python** scripts via batch files with **up to +99% efficiency in exec. time**.
- **Automating PowerPoints'** with python-pptx; capable of refreshing over **450 tailor-made slides in under 1 minute**.
- Creating **Tableau dashboards** querying from multiple **SQL Server Systems** and connecting safety reporting data with operational flight data.
- Communicating with stakeholders; **providing safety performance indicators** and identifying gaps in data capture.

TUI Airways - Engineering Safety Analyst

Aug 2018 - Sept 2021

- Coordinating 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.
- Designing occurrence reporting process flows with high clarity using Visio and in compliance with airline safety regulations.
- Harnessing Pandas and Matplotlib to create datasets to monitor reporting metrics within the airlines safety data system.
- Building Excel Dashboards to monitor safety performance indicators for the engineering department.

Booker Gliding Club – Cadet (Volunteer)

Feb 2013 - Jul 2018

- Supporting gliding operation at airfield by minimising flying aircraft downtime and ensuring efficient ground movements.
- Performing launch point preparation, flight log administration, glider launching and retrieval.

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## Projects

Data Projects Website

May 2022 – Present

- Developing engineering and data skills with Python: sourcing datasets, performing data cleansing and visualisations.
- Ported legacy project website written in manual HTML and CSS to new design featuring the **Hugo framework**.
- Using CI/CD workflow and using git tools to manage the version control of the website and Python projects

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## Skills

Technical Skills

- **Python:** Pandas, Numpy, Matplotlib, Xlsxwriter, Python-pptx, Pyodbc
- **CLI Tools:** Arch Linux, Git, GitHub, Terminal(zsh)
- **Programming:** HTML, CSS, Hugo, MATLAB, Python, SQL, VBA
- **Data Analytics:** Microsoft SQL Server Management Studio, T-SQL, Tableau, Python, Excel
- **Documentation:** Microsoft Office: {Word, Excel, Powerpoint, Visio}, LaTeX, Markdown, Vim
- **Languages:** English(Native), Croatian(Native), French(Basic)