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# Filip Livancic

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## Skills

### Technical Skills

- **Cloud:** Google Cloud Platform (GCP)
- **Python:** Pandas, Numpy, Matplotlib, Xlsxwriter, Python-pptx, Pyodbc
- **Command Line:** Arch Linux, GCloud, Git, GitHub, Shell(bash/zsh)
- **Programming:** HTML, CSS, Hugo, MATLAB, Python, Shell, SQL
- **Data Analytics:** Microsoft SQL Server, BigQuery, Tableau, Python, Excel
- **Documentation:** Microsoft Office: Word, Excel, Powerpoint, Visio
- **Miscellaneous:** GIMP, LaTeX, Markdown, SolidWorks, Vim
- **Languages:** English(Native), Croatian(Native), French(Basic)

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## Work Experience

### Sky - Data Visualisation Engineer

Dec 2022 - Present

- Coordinating with stakeholders in translating business requirements into new Tableau Reporting Solutions.
- Writing and optimising SQL stored procedures in BigQuery to serve back-end tables for multiple Tableau reports.
- Migrating legacy reports and analytics focusing on broadband products using BigQuery and Tableau infrastructure.
- Building new broadband contract analysis KPI's: e.g. churn rates, discounts, or post-notification actions for end of contract.

### easyJet - Safety Data Analyst

Nov 2021 - Nov 2022

- Creating end-to-end data pipelines: data ingestion with Pyodbc into DataFrames for data analytics in Pandas.
- Automating data analysis execution with python scripts executed with batch files and exporting Excel's with Xlsxwriter.
- Automating PowerPoints' with python-pptx refreshing over 12 presentation packs (450 tailor-made slides) in under 1 minute.
- Creating Tableau dashboards which query from multiple SQL database systems and consolidate safety performance indicators.
- Connecting safety reporting data with operational flight data using Tableau relationships to apply statistical normalization.

### 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 data-sets to monitor E&M reporting metrics within the airlines safety system.
- Building Excel Dashboards to automate workflow and monitor safety performance indicators for the engineering department.

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## Data Projects

### Data Projects Website: <https://filpill.github.io>

May 2022 – Present

- Porting legacy project website written in manual HTML and CSS to Hugo framework and maintain pages with markdown.
- Developing data skills with Python: sourcing data-sets from public API's, performing data cleansing and visualisations.
- Incorporating git tools to manage version control of projects and hosting website using Github pages.

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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