

Education

Aeronautical Engineering (Manufacturing) BEng (Hons) 1st Class - <i>X University</i>	June 2016
Advanced Manufacturing (Aerospace) Level 6 Apprenticeship - <i>Company Name</i>	December 2016
Extended Diploma in Engineering Leadership EAL Level 4 NVQ - <i>X College</i>	December 2015
A Levels Mathematics, Physics, Computing - <i>X College</i>	July 2013

Employment

Manufacturing Engineer / NC Programmer - Company	2017 – Current
<ul style="list-style-type: none">• Created, tested and validated Numerical Control programs for automated assembly machines to engineering specifications using Catia V5• Optimization of existing CNC programs• Developing and testing a bespoke CNC programming environment• Automation of repetitive tasks using VBA and Python• Provided technical support for production issues e.g. missing parts, damaged tooling, concession rework.• CAD model design / modifications of tooling to resolve recurrent production issues.	
Engineering Degree Apprenticeship - Company	2013-2017
<ul style="list-style-type: none">• Time spent amongst a number of engineering and related functions which gave a clear understanding on how responsibility is split between departments and how they function together to achieve a larger goal.• Developed a technical skillset to support in the manufacture and assembly of large aircraft components.	

Technical Experience

Work Projects

- Machine Runtime Analysis Tool (2022). Tool to retrieve and interrogate machine runtime data from SQL database and display times for each assembly stage of production. **Python, SQL**
- Engineering Drawing Interface (2021). Interface to access engineering drawings and automatically convert and combine from CAD Drawing to PDF format for easier reference. **Python, Catvbs**
- VBA Script Maintenance (2020-2022). Maintained and updated a number of VBA scripts that provided additional functionality to the Catia V5 CNC programming kit. **MS VBA, MS Access, SQL, Catvbs**

Personal Projects

- Music Alert Web App (2022). Web app to scrape music releases from Reddit.com forum and use the Spotify API to display detailed information in a easy to view format. **MongoDB, Express, React, Javascript, NodeJS**
- Financial Portfolio Tracker (2021). Web app to create and monitor a portfolio of different types of investments and savings with live monitoring of asset prices. **Python, Flask, Jinja, Bootstrap**

Skills

- Languages:- Python, Javascript, NodeJS, React, Flask, SQL (familiar), MongoDB
- Technologies:- Visual Studio Code, Git, Linux