

Benjamin Evans

Curriculum Vitae

LinkedIn: <https://www.linkedin.com/in/benevans931>

ePortfolio: <https://www.benaminevans.co.uk>

77 Langfield Road
Solihull
B93 9PS
07947604211
benevans931@gmail.com

PERSONAL PROFILE

A fourth-year electronic engineering undergraduate working towards gaining chartered status. Achieved Head of School excellence scholarship from The University of Leeds. Experienced in using Fusion 360 and operating 3D printers. Worked with the quality and production support team at ZF gaining experience in the automotive industry. Completed a defence summer internship at Rolls-Royce.

EDUCATION

University of Leeds - MEng Electronic Engineering

Third-year result: First, 84%

Second-year result: First, 87%

First-year result: First, 80%

Solihull School - A levels

Maths: A* Physics: A* Chemistry: A

Arden Academy - GCSE

9 GCSEs: A*- C Maths: A* English: B

INDUSTRIAL WORK EXPERIENCE

Rolls-Royce, Bristol — Internship

June 2021 - August 2021

Working with the Future Programmes New Concepts Team:

- Develop concepts for future Rolls-Royce products in the space domain.
- Used systems engineering to define requirements and industry level tools for cost estimation.
- Improved my understanding of gas turbines.
- Represented the company at STEM and networking events.

ZF Friedrichshafen, Shirley — Work Experience

3 Weeks July 2019

Working with the Quality and Production Support team:

- Designed a torque angle signal simulator box to identify problems with ECUs in power steering motors using an Infineon development board.
- Assisted with harsh environmental testing on motor ECUs and used root cause analysis to diagnose faults.

TECHNICAL SKILLS

Proficient in C/C++

MinGW, GDB and Doxygen

Verilog

Quartus and Modelsim

Hack Assembly Language

MATLAB

Fusion 360 and 3D Printing

Level 3 Excel

ACHIEVEMENTS / QUALIFICATIONS

Duke of Edinburgh Gold

Enterprise Scholarship (Leeds University)

Head of School Excellence Scholarship (Leeds University)

Industrial Cadet Gold Award

Cooper Scholarship For Science (Solihull School)

Prize For Academic Excellence (Solihull School)

ASA Level 1 Swimming Assistant

IQL Level 3 First Aid at Work

PROJECTS

Personal: Car Restoration – Last summer, I undertook a restoration project of a 1976 Datsun 280z. I learned how to strip the car, rebuild the engine completely and put it all back together whilst filming the whole process. I prepared detailed parts listings/costings and worked to earn funds to pay for the project. I networked with experts in the field and formed relationships with other enthusiasts to source parts. I designed and 3D printed parts that can no longer be purchased, then shared them with others in the restoration community.

University: RadBot – For my third-year group project, my team and I designed, manufactured and delivered an autonomous radioactive contamination detection system for use in a university nuclear laboratory. My responsibilities involved selecting the hardware and programming the robot using the ROS framework to allow accurate movement in a lab environment.

OTHER WORK EXPERIENCE

M-TEC Engineering Projects, Coventry — Work Experience

1 Week August 2018

- Developed an understanding of additive manufacturing and CATIA v5.
- Achieved the industrial cadet gold award by presenting my project.

Plume Tyre Service, Knowle — Work Experience

2 Weeks August 2019

- Learnt and became competent in performing a full service on a car.
- Developed interpersonal skills, engaging with people from various backgrounds and understandings of automotive maintenance.

David Lloyd, Monkspath — Assistant Swimming Teacher

November 2015 - August 2016

- Designed swimming lessons for various abilities.
- Taught and was responsible for children in groups of eight.
- To achieve my gold Duke of Edinburgh award I volunteered as a lifeguard teacher. This involved teaching first aid and water rescue skills.

Bryan's Data Programming, Monkspath — Work Experience

1 Week March 2015

- Enhanced expertise in fixing any software issues with computers.
- Built new computers for clients tailored to their specifications.

HOBBIES / INTEREST

Student Member of IET

Lab Demonstrator

Keen Rugby Player

Competitive Powerlifter

Enjoy Water Polo and Skiing

REFERENCES

Academic Reference:

Roger Berry

Project Supervisor

University of Leeds

r.m.berry@leeds.ac.uk

Employer Reference:

Matthew Wills

**Systems Design and
Integration Engineer**

Rolls-Royce

matthew.wills.se@

rolls-royce.com