

George King

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24 South Avenue, Bath, BA2 3PY

EDUCATION

University of Bath **2019 - 2024**

MEng (Hons) Aerospace Engineering - **Year 1 average: 72.6% (1st)**

Lawrence Sheriff School **2012 – 2019**

A-Levels:

Mathematics: **A***

Further Mathematics: **A**

Physics: **A***

Chemistry: **C**

Extended Project: **A***

GCSEs:

12 GCSEs, with 10 A*/A grades.

Other activities:

Rugby First XV

Duke of Edinburgh Bronze and Silver

ENGINEERING EXPERIENCE

First Year Experience **September 2019 – May 2020**

- Designed and produced technical drawings of a two-speed gearbox from an initial design specification.
- Introduced and developed practical skills in labs such as using milling machines and lathes, which gave an appreciation for the constraints and feasibility of certain designs.

First Year Engineering Project **March 2020 – May 2020**

- Worked as a member of a small group in which a mechanical vehicle which would lay down cones on a road was designed according to an assigned specification. This project required strong organizational and time management skills, as well as the use of CAD software.

Engine Developments Ltd. (Judd)

July 2017

Internship

Rugby

- Experienced professional use of CAD in designing specialized engine parts for high end clients.
- Hands-on experience of high-performance engine disassembly and repair
- Was responsible for testing a customer's engine performance in a dyno and mapping out wires in an unknown engine harness.

Autonomous Self-Driving Robot Project **2017**

- Reconfigured a broken remote-control toy car chassis and motors with a Raspberry Pi, ultrasonic sensor, and home-built motor controller board to create a self-driving robot.
- Created code using Python in which the robot would avoid obstacles and turn around if stuck against a wall or in a corner.
- Later redeveloped to use an Arduino.

3-Axis CNC Demo **2017**

- Used stepper motors from broken printers and DVD drives, with a motor controller board and a Raspberry Pi to create a proof-of-concept mini three-axis CNC system.

WORK EXPERIENCE

Tutoring **Summer 2020**

- Tutored a GCSE student in mathematics and combined sciences.

Independent Contractor (Appen) **September 2019 – December 2019**

Social Media Evaluator

- Evaluated online advertisements according to guidelines, as a part-time contractor for a large social media company.

The George Pub

Late 2017 – Summer 2018

Pub Staff

- Worked as part of a small and successful team running a pub, restaurant, and bar.
- Experience with waiting, front of house, and card payment systems.

Barby Village Store

2014 - 2017

Shop Assistant

- General shop assistant role.

SKILLS & INTERESTS

- **Programming languages:**

- Strong with **Python, TeX, GdScript**
- Competent with **HTML, MATLAB, GML**

View my projects on GitHub: <https://github.com/ge-king>

- **Computer Software:**

- Can use **Excel, Photoshop, Autodesk Inventor, Inkscape** and **Fusion360**
- Highly competent with **Word, PowerPoint**

- **App Development:**

- Have experience in developing and publishing mobile games to Google Play, using the open-source **Godot** IDE

- **Hobbies**

- Keen interest in the gym and recreational weightlifting
- Actively trade and invest in the stock market

- **Driving License:**

- Holder of a valid UK driver's license