

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