

Samuel Juul Barker

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Education

University of Exeter

09/2021 - 07/2024

- *Bachelor of Science with Honours* in Computer Science – **Class I**
- Notable coursework: dissertation in novel method of linear motion detection, research project on bird conservation status using neural networks with Python/Jupyter and statistical libraries, group web development project in group of 6 in Django (leadership role)
- Served as *Technology Rep* for the Exeter Student Investment Fund society (2021/2022) developing the society website in Webflow

Budmouth College

09/2018 - 07/2020

- *A-level* Computer Science (**A***), Physics (**A**), Mathematics (**B**)
- Accreditation Award, Centre of Excellence, Budmouth Academy Weymouth, Professional Awareness award, validated by the Centre Employers Advisory Board.

Appointments

Gathering Momentum Ltd – *Data Analyst/Developer*

07/2024 - present

- Engaged in varied duties for external client companies including auditing of financial statistics, management of backups, development of training material and delivery of training sessions to clients
- Developed a management system for administrators and tutors for training delivery in the Zoho suite connected to upstream WooCommerce using extensive Deluge scripting leading to improved efficiency in course delivery and management for clients

Gathering Momentum Ltd – *Product Developer*

05/2023 - 03/2024

- Full stack, remote development in burgeoning B2B startup collaborating with non-dev colleagues on exploratory projects in PHP/Laravel
- Internship awarded through university Access to Internships (A2I) scheme, led on to part-time employment

Dorset Wood Fired Pizza, Weymouth

07/2016 - present

- Seasonal employee working front and back of house in busy and often changing scenarios in a team

Projects

Specialised weather dashboard for dinghy sailors & sea swimmers

wavedash.sambarker.xyz

- Weather dashboard written to provide all the information necessary to decide when to sea swim/dinghy sail, all on one phone screen worth of space.
- Technology used: **React, Vite, TypeScript, Github Pages**

Portfolio website

sambarker.xyz

- Business card style site self-hosted on Debian Linux VPS with nginx as reverse proxy.
- Technology used: **Wordpress, Linux, nginx**

Technical skills

PHP/Laravel • HTML/CSS • JavaScript • Python • Jupyter/Pandas/Numpy • Django • Nginx
Wordpress • WooCommerce • Linux • Flask • Microsoft Office suite • Zoho/Deluge scripting

Interests

Keeping fit • Birdwatching • Sailing • Swimming • Web development • ML & research

References available on request.