

Patrick Bowen

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TF87BY, UK; geographically flexible.

Profile

A passionate undergraduate, hobbyist, and professional in numerous technologies from full-stack web to electronics. I adore learning, including systems/skills beyond my original role, and enjoy inter-discipline teamwork.

Education

Sept '15 – Jun '20	BSc (Hons) Computing Science	First Class
Staffordshire University	HND Applied Computing & I.T.	Distinction
Sept '13 – Jul '15	BTEC Ext. Dip. Computing & I.T.	DDM
Shrewsbury College		
Jan '09 – Jun '13	English, Mathematics, Chemistry	B
William Brookes	Physics, Biology, History, Geography	C

Technical Experience

Please do visit my portfolio! <https://phunanon.github.io/portfolio>

C#, professionally from small to corporate solutions, employing MVP and common OOP patterns; .NET Core & Linq;

Clojure/Script, functional paradigm, JVM/JS, for data & reactive websites;

C/C++, for terminal tools, graphical games, drivers, own languages;

JavaScript, HTML, CSS, PHP, in many personal/community websites;

SQL/SQLite, MySQL, MSSQL, academically and within Android/PHP;

Android Java/Kotlin, JDBC, for Android and private tutoring OOP;

Arduino, in electronics projects & low-resource applications;

Python, for private tutoring and quick scripting;

Raspberry Pi, for home projects;

Electronics, interpreting & contributing to circuit design & assembly;

Nearly one of each can be seen used in my portfolio.

Experience with Visual Studio with Resharper, VS Code; Ubuntu, Windows, Android, Raspbian; Libre & Microsoft Office & Office365, Google Drive, Box; GIMP & Inkscape; Chrome/ium & Firefox; Github & Atom, SVN; Mono.

All institutions & events within the United Kingdom, unless expressed otherwise. Updated 01/07/20.

Work Experience

| Jul'18 – Jul'19: **Software Eng. Intern @ Baker Hughes/General Electric**

Role contributing to oil & gas well data acquisition, C# & C++, SOLID & Agile; data analysis & visualisation, physics simulation; compression, UART, TCP/IP, WebSockets; WinForms, WPF, Mono; SVN, solution management, some DevOps; high-voltage equipment. Conducted UK-wide presentations, tours and Python classes for children.

| 2018 onward: **Freelance Private Tutor**

I am a paid private tutor in KS3/GCSE Math, GCSE to Bachelor's CompSci, all ages Java and Python. Over 125 hours taught.

| Feb'16 – Jun'17: **Volunteer Tutor @ Wrekin Housing Trust**

Three hours per week one-to-one assisting/teaching +50 y/o residents to use computers, the Internet, and other digitals. I have a patient, friendly approach, breaking down concepts for individuals' need & ability.

Achievements

- **General Electric Impact Award** worth £70 for 6hr day of teaching Python;
- **vInspired 'v50'** (vinspired.com), for volunteering @ Wrekin Housing Trust;
- **St John's Ambulance First Aid at Work** (expires 03/2021);
- **100% Attendance** for multiple terms at college & throughout secondary;
- **'Rising Star'**, 2013, and **'Most improved'**, 2015, Shrewsbury College.

Hobbies

In **sports & outdoors**, I enjoy Fencing Épée; refereed & participated in competitions. Also indoor rock-climbing. I have mixed code with these, developing an Arduino solution for scoring in Fencing matches, and an Android app for keeping track of exercise.

In **management and community**, I have been an active member of a political party, regularly organising/conducting talks, meeting with fellow members & the public, holding stalls and paper sales. I enjoy lecturing and community engagement/discussion, to all group ages and sizes. I regularly help in local events and fundraisers in my home village.

In **language**, I enjoy developing artificial human languages, scripts and digital fonts. Also programming languages, such as on Arduino.

At home, I enjoy coding, cooking, chatting online, and follow vegan lifestyle.