Patrick Bowen

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Profile

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

Education

Sept '15 – Jun '20: Staffordshire University
Pending for BSc (Hons) Computing Science with 12mo placement (GE);
Distinction for HND Applied Computing.

Sept '13 – Jul '15: Shrewsbury College
Dist+Dist+Merit BTEC Extended Diploma: Computing & I.T.

Jan '09 – Jun '13: William Brookes Secondary
GCSE: B, English, Maths, Chemistry; C, Physics, Biology, History, Geography.

Technical Experience

Please do visit my portfolio! https://phunanon.github.io/portfolio
C# (last used in 2020), professionally from small to corporate solutions, employing MVP and common OOP patterns; .NET Core;
Clojure/ClojureScript ('20), Lisp JVM/JS languages, for data & websites;
C/C++ ('20), for terminal tools, graphical games, drivers;
{JavaScript, HTML, CSS, PHP}('20), in many personal/community websites;
Electronics ('19), interpreting & contributing to circuit design & assembly;
SQL/SQLite & MySQL ('19), academically and within Android/PHP;
Arduino ('20), in electronics projects & low-resource applications;
Python ('20), for teaching and quick scripting;
Android Java/Kotlin ('19), see exercise tracker app in my portfolio;
Raspberry Pi ('19), who doesn't love 'em?
Nearly one of each can be seen used in my portfolio.
Experience with Visual Studio & VS Code; Ubuntu, Windows, Android, Raspbian; Libre & Microsoft Office & Office365, Google Drive, Box; GIMP & Inkscape; Chrome/ium & Firefox; Github & Atom, SVN; Mono.

Work Experience

Jul'18-Jul'19: Software Eng. Intern @ Baker Hughes/General Electric

.NET role contributing to oil & gas well data acquisition, data analysis & visualisation, physics simulation; development & workflow composition; compression, UART, TCP/IP, WebSockets; WinForms & WPF, Mono; SVN, solution management, MS DevOps; high-voltage equipment. Conducted UK-wide intern presentations, also tours and Python classes for children.

Throughout '18 & '20: Freelance Private Tutor

I am a paid private tutor in KS3/GCSE Math, GCSE/A-Level CompSci.

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.