

# Patrick Bowen

<http://v.ht/Portfolio>

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## Profile

I am a passionate hobbyist in a wide range of technologies from full-stack web to electronics. I'm looking for a computing placement opportunity, for my second year of a Computing Science degree, where I can improve and contribute my skills, experience, and interests, with a great team or alone on challenging tasks and projects.

## Education

| Sept'17 – Jul'20: **Staffordshire University**

Predicted First BSc (Hons) Computing Science with 12-month placement;  
Distinction for HND Applied Computing.

| Sept'13 – Jul'17: **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 Skills

JavaScript (last used in 2018), HTML ('18), CSS ('18), PHP ('18), used for a myriad of websites & tools for personal and niche community use;

C++ ('17) inc. SFML, used to create terminal-based tools (e.g. logic circuit simulator) and graphical games - some can be found in my portfolio;

C# ('16), which I used for getting a feel for Object Orientation;

Arduino C ('17), used in fun electronics projects & low-resource challenges;

Android Java ('17) - see an exercise tracker app in my portfolio;

VB.NET ('12) & .NET Winforms, easy to pick back up;

SQL/SQLite & MySQL ('18), academically and within Android/PHP projects.

Habitual user of Ubuntu, Windows, Android, and Raspbian; of Libre Office, Microsoft Office, and GDrive; GIMP & Inkscape; Chrome/ium & Firefox; Github & Atom.

Comfortable coding in many environments, graphically & physically.

## Work Experience

| Jul'18-Jul'19: **Software Engineer** @ General Electric  
Yet to start.

| Feb'18: **Freelance Private Tutor**  
Provided private tutoring in GCSE KS3 maths/algebra at £15p/h.

| Feb'16 – Jun'17: **Volunteer Tutor** @ Wrekin Housing Trust  
Three hours per week assisting & teaching +50y/o sheltered residents how to use computers, the Internet, and other digital items to benefit their lives. My interpersonal skills & friendly approach were appreciated, with natural patience and ability to break down concepts, understanding individuals' needs & abilities through one-to-one sessions.

## Achievements

- vInspired v50 ([vinspired.com](http://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, Shrewsbury College;
- 'Most improved', 2015, Shrewsbury College

## Hobbies & Experience

**In sports & outdoors**, I enjoy Fencing Épée, having refereed & participated in regional competitions. I enjoy indoor rock-climbing, and daily exercise routine. I have mixed programming with these activities, developing an Arduino solution for hit-detection and scoring in Fencing matches, and a basic Android app for keeping track of my exercise.

**In management and community**, I am an active member of a political party, regularly organising and conducting talks, meeting with fellow members & those interested, holding stalls and paper sales. I help moderate various forums and websites.

**In spoken language**, I enjoy creating & developing engineered languages, and once assisted in implementing a constructed language into a published novel (*The Secret King* by Dawn Chapman). I can understand simple Italian articles/radio.