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Profile

I am an enthusiastic and dedicated individual with a diverse skill set always looking to learn new things and share my knowledge. I try to find creative solutions to problems if obvious solutions are not present.

My goals is to continue to build and refine my existing skill set and to become a professional programmer with a broad understanding of several programming languages, with a strong portfolio of work to demonstrate this.

Programming Languages and related skills:

JavaScript, HTML, CSS, React, Node.js

My programming work can be seen on GitHub: <https://github.com/Pete-Andrew>

Software:

CAD (SolidWorks), Unreal Engine, Excel, Photoshop, Blender, Zbrush

Work Experience:

Livewell Southwest

Clinical systems facilitator Clinical systems facilitator: April 2023 - Present

I am currently working within the clinical records team to resolve issues with digital medical records, primarily using the clinical records software SystmOne.

- In my current role I have been instrumental in planning for robotic process automation (RPA) at Livewell. The most financially significant RPA process I have mapped is predicted to have a net gain benefit projection of over £200,000 over a five year period.
- I have created spreadsheets that utilise the visual basic programming language to manipulate specific data sets, this has resulted in a substantial time saving for staff.
- I have helped train and continue to support new staff in our team.
- I have built a comprehensive working document of our team's main technical processes which did not exist previously. This saves time and allows processes to be standardised.

Freelance Web Designer

March 2024 – Present

- I designed, built and still maintain, a website for a client working closely with her to achieve her vision.
- This required a strong knowledge of Html, CSS and JavaScript as well as being able to translate my client's ideas into code.
- I took the project from concept to completion working as a solo developer whilst also working a full time job, this required good time management as well as clear and regular communication with my client.

Self Employed Artist and Childcare

March 2010 – April 2023

In order to support my wife's career, I opted to look after my small children. During this time:

- I worked as a freelance designer of 3D print models and of 2D artworks and worked with client specifications to create unique and outstanding artworks.
- I continued to learn a variety of software and completed a 3 month JavaScript bootcamp in this time.
- I also created a selection of 3d print models which I continue to sell online.

The Marine Biological Association

Marine Life Education and Recording Trainee: Mar 2010 - Dec 2010

- Working with the Marine life information network and the education team on heritage surveys and events e.g. Seashore Safaris, National Science week and other scientific education and engagement projects.
- Marine species identification, validation of recording scheme information for the Sealife and the Shore Thing surveys.
- Working with huge data sets to analyses how marine species distribution is changing in response to global warming.
- Working with the National Biodiversity Network and undertaking species research, specifically into non-native species and biofouling.

Education

University of Plymouth (2007-2008)

MSc Biological Diversity (grade equivalent to merit)

University of Exeter (2004-2007)

BSc Biological Sciences (2:1)

Tavistock College (1996-2003)

A levels:

Biology (B), Art (A), Chemistry (C)

AS levels:

Physics (C)

10 GCSEs:

Biology (A), Chemistry (A), Physics (A), Art (A*), Graphic Design (A), History (B), Maths (B), English Language (C), English Literature(A), French (B)

Additional Qualifications

Duchy College (2009-2010)

Level 2 NVQ Environmental Conservation

Scientific Publications

Benefer, C., Andrew, P., Blackshaw, R., Ellis, J., Knight, M. 2010. The spatial distribution of phytophagous insect Larvae in grassland soils. Applied Soil Ecology. 45, 269-274.

Interests

- In my spare time I like to use coding for useful tasks such as environmental control systems for my greenhouse, sheds and home.
- I have a long-term interest in keeping tropical insects and carnivorous plants and have created systems that allow me to look after them with minimal input. I enjoy the challenge of making my hobbies as self sufficient and low input as possible so I can spend more time enjoying them and less time maintaining them.
- I have always had a love for nature and have been involved in voluntary roles in woodland and heathland conservation.
- I am also an avid amateur musician and enjoy composition and home recording.
- Making models for 3D printing and for use in games is also a hobby, I have a VR headset and like to create models from the fantasy novels and comics I enjoyed as a child so that I can bring them to life in VR.
- Lastly, I enjoy exploring the Atlantic rainforests on Dartmoor with my family and wild swimming/snorkelling in the summer.