Rosia Evans

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Profile

An eager and positive person with a deep passion for robotics and using them to improve our interactions with the environment. I take initiative and show dedication in every role I undertake having a key role in starting the integration of automated UI testing at my last workplace, running my university's computing society and being on committee of its robotics society.
With a friendly and open demeanour, I thrive in collaborative environments, working in scrum teams at my current workplace and working on projects with friends in my spare time.

For a full in-depth list of my projects and work, see my website. It includes self-driving sailboats, automated plant care systems and many other interesting concepts.

Highlights

- Active passion in farming robotics, learning the subject in my spare time and seeking career and research opportunities to push and develop my knowledge
- Previous experience in time-restrained, professional, collaborative environments
- Offered full-time work or apprenticeship after nine month internship at previous placement
- Wide range of experience creating personal projects in Electronics/Robotics, Low level Processing and Graphics, Virtual Reality and Web Development and Hosting (all visible on website)

Education

2022 – Present   **Student at Aberystwyth University**
Robotics and AI,
Including 5 firsts the previous year in Computer Infrastructure, Object Oriented Programming and more.
Current year involving modules in Robotics and Embedded Systems and Artificial Intelligence

2014-2021   **Ilkley Grammar School and Sixth Form**
3 A-Levels at A-A-B, including A in Computer Science and additional A grade EPQ in VR Design

Extracurricular activities

2022 – Present   **President of Aberystwyth University's Computing Society**
Committee member of the Robotics Society
2021 – Present   **Co-Running Skipton Building Society's Coding Club**
Upskilling testers in programming
2016 – Present   **Creating Programs and Electronics**
A few notable projects include:
- Self driving sailboats programmed in C++
- Web-based VR apps in Typescript
- Plant watering System programmed in C++
- CNC machine-turned pen-plotter using OpenCV to draw photos taken from a webcam using Python
- 20x20cm laptop using an E-Ink Screen with partially custom Python drivers

Previous work

2021-Present **Skipton Building Society**
Independently pushing for integration of test automation into everyday work processes. Started with gap year internship, afterwards offered part time work whilst at university.

2018-2021 **Kitchen Assistant and Waitress**
Public facing work in a high pressure environment,
Referenced as their most hard-working employee.

Hard Skills

- Programming Software and Embedded Systems
  - 2+ years in C++ and Java, 4+ years in Python and C#
  - Experience with C and Web Development with React
  - Created multiple projects with Arduino and RPi Pico
- CAD and 3D printing
  - OpenSCAD, Blender, FreeCAD Part Design
- Experience in Agile and SCRUM processes

Soft Skills

- Communication and Teamwork
  - Working in SCRUM teams in 2 week sprints
  - Communicating complex ideas
  - Participant in the UKIEPC two years running, a high pressure time based team programming competition.
- Planning and Organisation
  - Heading up communities, bringing people together and facilitating conversation
  - Organising events with up to 50 attendees in professional and academic environments
- Active Participation
  - Independently suggesting changes, fostering conversation and encouraging action
  - Pushed for the creation of UI testing standards at current workplace
- People Skills
  - Outgoing and positive
  - Represented organisations to external groups of over 70 people
- Adaptability
  - Able to "hit the ground running", asking questions, shadowing developers and quickly learning new things

Interests

- Repairing electronics, often designing and 3D printing parts
- Gardening and environmentalism, working on my own urban garden with an automated element and previously helped elderly neighbour with garden work
- Specific interests in low-power computing with a focus on energy usage and its environmental effects

Ambitions

- To combine my passions towards environmental sustainability with my love of computing
- To research and create something new and unique
- To work in a way that is fulfilling both in creativity and brain work whilst allowing me to materially improve peoples lives