

Sam Bell's Portfolio

None

Sam Bell

None

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1. Sam Bell

1.1 About Me

1.2 Featured Projects

Project	Description	Link
Chess Bot	I created a fully-functional lookahead evaluation chess bot	View Project
CPU	A simple 8-bit CPU that I am currently making	View Project
WER 2025	An international robotics competition where I came 1st in the UK in my age category	More information

1.3 My Skills

1.3.1 Technical Skills

- **Programming:** Python, Java, HTML/CSS
- **Electronics:** Soldering, PCB Design
- **Tools:** Git, Raspberry Pi, Autodesk Inventor

1.3.2 Soft Skills

- Problem Solving
 - Communication
 - Leadership & Teamwork
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1.4 Recent Achievements

- **4th place** in an international robotics competition
 - **Finalist** in Cyber Switchup 2023 (<https://cyberswitchup.net/>)
 - **STEM Fair Speaker** – Presented smart tech solutions to staff and peers
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1.5 Get in Touch

- **Email:** samgbell2011@icloud.com
- **Phone:**
- **Portfolio:** <https://sambell2.github.io> (<https://sambell2.github.io>)

1.5.1 View My Full Portfolio →

2. Gallery

3. Digital Making

3.1 Laptop

An image of my laptop

3.2 Magic Mirror

An image of my magic mirror

3.3 Wildlife Camera

An image of the camera

4. Electronics

4.1 CPU

An image of my CPU

4.2 Safe

An image of my safe

5. Programming

5.1 Chess Bot

An image of my chess bot running

5.2 Morse Code Translator

An image of my morse code translator

5.3 QR Code Generator

An image of my QR code generator running

5.4 Scripted Journeys

A screenshot of Scripted Journeys

5.5 Sudoku Solver

An image of my sudoku solver

6. Robotics

6.1 World Educational Robotics 2025

An image of my robot

6.2 My First Robot

An image of my first robot

6.3 Picar S

An image of my Picar S