

# Harry Badland

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## Education

<b>Cardiff University</b> , BSc Chemistry	Sep 2022 – Jun 2025
<ul style="list-style-type: none"><li>• <b>Grade:</b> First Class Honours (1:1)</li><li>• <b>Dissertation:</b> Investigating Generalisation Limits of Deepset Architectures for Molecular Energy and Force Predictions</li></ul>	
<b>Sir Roger Manwoods School</b>	Sep 2019 – Jun 2021
<ul style="list-style-type: none"><li>• <b>A Levels:</b> Maths, Chemistry and Physics</li></ul>	

## Experience

<b>Specialist</b> , Apple – Cardiff, UK	Jul 2024 – Feb 2025
<ul style="list-style-type: none"><li>• Leading AppleCare+ and revenue targets for Q3 and Q4</li><li>• Generated business leads from the customer facing role</li><li>• Designed and delivered solution based demonstrations with outstanding feedback</li><li>• Gained an understanding of operating systems and software troubleshooting</li></ul>	
<b>Sales Assistant</b> , Office – Cardiff, UK	Mar 2023 – Apr 2024
<ul style="list-style-type: none"><li>• Customer facing sales role with commission based incentives</li><li>• Regularly featured in national company newsletter for reviews</li><li>• Consistently surpassed KPI targets, individual and team</li></ul>	
<b>Sales Stylist</b> , Levis – Cardiff, UK	Oct 2022 – Jan 2023
<ul style="list-style-type: none"><li>• Customer facing sales role which included styling customers</li><li>• Consistently surpassed KPI targets, individual and team</li><li>• Maintained a high standard of product knowledge and customer service</li></ul>	

## Projects

<b>TorchMD Graph Neural Network</b>	2025
<ul style="list-style-type: none"><li>• Developed the deepset module to enhance molecular energy and force predictions by almost 40%</li><li>• Added graph neural networks, radial basis function expansions and non-linear features to test their influence</li><li>• Tools Used: Python, PyTorch, NumPy, WandB, Plotly</li></ul>	
<b>Custom Calculator</b>	2024
<ul style="list-style-type: none"><li>• Built a calculator as part of the final section of The Odin Project</li><li>• Tools Used: Javascript, html, css</li></ul>	
<b>Harvard University: CS50x</b>	2024
<ul style="list-style-type: none"><li>• Completed the 10 week course remotely, as my introduction into CS scoring high for style in each task</li><li>• Tools Used: Python, SQL, C++, Javascript</li></ul>	

## Technologies and Extracurricular

**Languages:** Python, SQL, JavaScript

**Technologies:** .NET, Microsoft SQL Server, XCode, Interface Builder

**Extracurricular:** Karate Brown Belt, Play Football and Enjoy Gaming