Samuel J Venable

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Education

University of Nottingham | *2023 - Present*
Computer Science with Artificial Intelligence - 74% Average, *Predicted First Class Honours*

Barton Peveril Sixth Form College | *2021 - 2023*
A Levels - Maths (A*), Computer Science (A*), Further Maths (A), Popular Music & Jazz Studies (A*)

King Edward VI School, Southampton | *2016 - 2021*
GCSEs - 8 A*s, 2 As, including Maths and English

Professional Experience

TwistMC Multiplayer Game Server | *2019 - Present*
| Java Software Developer

- Resolved issues, developed new features and rigorously tested them before release, collaborating with a team of developers throughout.
- Liaised with the client to plan, build, optimise and release new game modes which would retain and expand our player base of up to 1,000 players.
- Led recruitment efforts for hiring new developers, ensuring that candidates possessed the right skills and team fit to be an asset.

IBM Work Experience with MQ Team | *16th -20th September 2024*
| JavaScript Tool Developer

- Independently designed and built a test analysis tool to automate the search for common issues in failing tests using a JavaScript algorithm and graph network.
- Produced a fully working prototype of the tool which could significantly reduce time spent on manual checking while providing a deeper insight into possible issues.
- Presented the project at a SCRUM meeting and received very positive feedback on its utility to the team, and suggested improvements that could be made to the program going forward.

Highfield After School Club | *March 2022 - September 2024*
| Childcare Practitioner

- Supervised and engaged primary school children in activities, fostering a safe and enjoyable environment while mediating conflicts to promote positive interactions.
- Completed the NSPCC Safeguarding Course on ensuring the well–being and safety of children while under adult supervision.

WestQuay On Ice | *November 2022 - January 2024*
| Ice Marshal

- Monitored and managed the prevention of dangerous behaviour on the ice.
- Ensured the safety of customers on the Christmas ice rink, offering guidance and support.
- Gained valuable skills in customer service and team coordination.

Skills & Interests

- **Programming Languages**
  - Proficient with Java and C#.
  - Experience with Python, HTML/CSS/JS/React, C and Haskell.
- **Game–playing AI** - Created an effective Othello AI program using an implementation of the Minimax Algorithm alongside a heuristic function.
- **Music** - Achieved Grade 8 in Piano and Oboe.
- **Ice Hockey** - Compete in the BUIHA Division 1 with the Nottingham Mavericks.