

Antoine Valadon

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Education

King's College London (prior to U of A transfer) 09/2022 – 2025 LONDON, UNITED KINGDOM
Physics | Bachelor of Science in Physics (Honours)
+ AKC (Associateship of King's College) 2-year program
+ Acquired ~100 hours of lab work

The Stephen Perse Foundation 09/2019 – 06/2022 CAMBRIDGE, UNITED KINGDOM
Physics, Mathematics, Further Mathematics, Computer Science | A-level

Awards:

- + The Stephen Perse prize in mathematics (Highest subject honour/Staff select 1 student per graduation)
- + The Hunter prize in physics (2nd place equivalent to "Stephen Perse prize in physics". Also 1 per graduation)
- + Senior Maths Challenge: Bronze
- + Bebras COMPUTING CHALLENGE (Senior): Merit

Projects

Semi-autonomous path finding mars rover:

- Collaborated in a 1 semester group project consisting of 5 members
- Created mars rover that calculated paths based on images and respective colours
- Documented successful solution in written report + slideshow presentation

Pydog.io: (<https://www.pydog.io/>)

- Created free to use coding practice website with systems including Python, Flask, and HTML
- Implemented automated system for users to check their code/answers
- Users can access questions of varying difficulty and coding language

Coding Skills:

Python, JavaScript, matplotlib |

Databases

SQLite, PostgreSQL, SQL, MongoDB |

DevOps

CI/CD, git, MS Azure

Web development

Flask, HTML, CSS, Django

Work Experience



King's College London Student Union 10/2023 – 06/2024 LONDON, UNITED KINGDOM
Student Representative
- Tasked with attending constructive meetings as go-between for students and staff to find solutions to concerns

Syqel 06/2020 – 07/2020 LOS ANGELES, UNITED STATES
Intern (Virtual)

- Conducted in-depth research on business challenges and presented findings to founder
- Executed marketing strategies to promote unique media playing experience
- Analyzed pricing strategies and made recommendations for improvement

Garden House Hospice Shop 02/2018 – 06/2018 LETCHWORTH, UNITED KINGDOM
Store Worker (Volunteer)
- Part-time store role involving stock management, customer support, pricing, and organization
- Store proceeds contributed to the Garden House Hospice charity's funds

Languages

English (Native) |  French (Paternal/fluent) |  Greek (Maternal/strong)