

Joseph Prollins

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WORK EXPERIENCE

Atkins, Engineering Consultancy

Jul. 2019 – Aug. 2020

Industrial Placement – Nuclear Safety

Epsom, Surrey

- Development of nuclear and conventional safety assessments/reports with a focus on fire and explosions.
 - Creation of fire strategies for Hinkley Point C
 - Fire analysis and modelling for Hinkley Point C, including the reactor building
- Creation of Python 3 programs
 - Cost tracking software to correct £10,000s of project cost discrepancies
 - Logarithmic graph reading software, saving hours of time and producing more accurate readings
- Project management
 - Writing and correcting project cost trackers
 - Successful bid writing
 - Developing project management plans and their respective risk assessments

EDUCATION

University of Surrey

Sep. 2016 – Jun. 2021

Master's in Engineering, Chemical Engineering

Guildford, Surrey

- 2:1 (65% average)
- Project leader for university's chemical pilot plant leading a team of 9 people
- Key Projects:
 - Research project: development of a semi-mechanistic model for gastric emptying – Using Python
 - Design project: design of an oligomerisation and separation plant
 - Equipment design project: advanced design of a twin-helical thermosiphon reboiler

Roundhay School

Sep. 2009 – Jul. 2016

A-Levels and GCSEs

Leeds, Yorkshire

- A-levels: Mathematics (A), Further Mathematics (A), Physics (A) and Chemistry (B)
- GCSEs: 12 A* - B including English and Mathematics

EXTRACURRICULAR

- Treasurer & Covid-19 officer for the Ballroom and Latin Dance club
 - Oversaw a budget of £11,000
 - Assessing risk and enforcing Covid-19 rules
- President of the Arts and Crafts society
 - Coordinated with the committee to plan all the projects necessary, ready for the start of the academic year, taking into account budgets, collaborations with other societies and volunteering work

OTHER

- Application Developer: Created “Questions and Forfeits” published on the Google Play Store
- Varying experience with Python, MATLAB, GDScript, HTML, CSS
- Interests includes foreign languages, programming, game development, hiking, taekwondo
- Full, clean UK driving licence
- German – Intermediate