



Example Final Year / Graduate Science CV

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Personal Profile

BSc (Hons) Biological Chemistry & Drug Discovery Graduate seeking an analytical role in Research & Development in a leading Pharmaceutical company. Solid practical laboratory skills gained through a 12-month Industrial Placement at Axion Health Diagnostics, including experience of GLP & GMP.

Key Skills

- Excellent **analytical skills** including good working knowledge of **'R' and 'Python Programming languages'** through use in my honours project and during my placement at Axion Health Diagnostics.
- High level training in essential **lab skills** including pipetting, preparing assays and designing reproducible experiments.
- **Excellent communication** skills developed through giving formal presentations and leading tutorial discussions as part of my degree.
- Strong **team working** skills developed through working in a multi-disciplinary team on placement and group-based projects during my degree.

Education

2017 - 2022

University of Dundee

BSc (Hons) Biological Chemistry & Drug Discovery (2:1)

Including a 12-month Industrial Placement at Axion Healthcare.

Key modules studied in Years 3 & 4: Analytical and Prognostic Chemistry, Genome Science, Bioinformatics, Preclinical and Drug Discovery.

Laboratory Techniques & Skills: Mass Spectrometry, HPLC, NMR, Organic Synthesis, Computational Chemistry (programming), Infrared, use of gels and Chromatography.

Research Project: The final year project focussed on the area of 'drugs for neglected diseases'. The project made extensive use of all aspects of computational chemistry, in particular compound selection and structure-based ligand design.

2010 - 2017 Claremont High School, Arbroath

2017 SCE Highers: Biology A, Chemistry B, Mathematics B, English B

2016 7 National 5s including German and Physics

Relevant Work Experience

**Aug. 2020– Aug. 2021 Industrial Placement Year (Student Research Scientist),
Axion Health Diagnostics, Dundee**

As part of the Axion Research Group, I worked on the Biosensor Platform Project (BPP) involving the design of a microfluidic diagnostic instrument for the detection of analytes in whole blood. My placement project focussed on the development of novel magnetic antibody fusion proteins for the above device.

- Designing and performing experiments under supervision to deadlines.
- Learning and applying a number of laboratory techniques such as using enzyme-linked immunosorbent assays (ELISAs) and Synthesis of magnetic protein.
- Developed my working knowledge of several powerful chemistry analytical tools such as NMR, HPLC and Mass Spectrometry during training and observation.
- Analysed data in the form of spectra.
- Strong communication skills as demonstrated by experiment write-ups, weekly and monthly project update meetings and presentations to both my placement supervisor and the BPP group.
- Working under Good Manufacturing Practices (GMP) and Good Laboratory Practices (GLP).

Additional Work Experience

June 2016 - April 2019 Part time Sales Assistant, Millers Outdoor World, Dundee

- Achieving the Millers Award for sales and customer service.
- Using communication skills to assist customers in a friendly, courteous and professional manner.
- Worked in a small sales team consistently meeting and often exceeding sales targets.
- Enthusiastic approach to work with a willingness to be flexible, often working shifts at short notice.

Skills and Achievements

- Awarded the Level 3 Analytical & Prognostic Chemistry prize from a class of 20.
- Excellent IT skills, with experience of 'R', 'Python', Microsoft Word, Excel, Access & PowerPoint.
- I have a full, current driving licence.

Interests and Activities

- Member of the Royal Society for Chemistry and the Society of Biology.
- Committed member of the University Badminton team and play football at amateur level.

Referees

Available on request

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