



# Example Final Year / Graduate Science CV

Andrew Rait

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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 communication skills developed through giving formal presentations and leading tutorial discussions as part of my degree.
- Strong team working skills developed through placement and group based projects during my degree.
- A high standard of customer service developed in my role as a Sales Assistant.

## Education

2015 - 2020 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.

2009 - 2015 Claremont High School, Arbroath

2015 SCE Highers: Biology A, Chemistry B, Mathematics B, English B

2014 7 Standard Grades including German and Physics

## Relevant Work Experience

Aug. 2018 - Aug. 2019 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).

June 2018 - July 2018      Summer Internship, Drug Discovery Unit, University of Dundee

Summer project with Professor Susan Quinn using X-Ray Crystallography to analyse the structure of proteins. The project also involved the use of Computational Chemistry to aid in the analysis.

## Additional Work Experience

June 2015 - April 2018      Part time Sales Assistant, Millers Outdoor World, Dundee

- Achieving the Millers Award for sales and customer service.
- Assisting and serving 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.
- Good IT skills, with experience of 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

Dr Mark Leyland  
Senior Lecturer (Adviser of Studies)  
School of Life Sciences  
Carnelley Building, University of Dundee  
Dundee DD1 4HN  
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Mrs Janet Evans  
Senior Scientist  
Axion Health Diagnostics  
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