

# Jamie Holroyde

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## Summary

I am an eager to learn, analytical and determined aspiring Software Engineer with a strong interest in Data Science & Machine Learning currently studying towards an Integrated Masters in Informatics at The University of Edinburgh.

## Experience

Sep 2023 -  
Present

**Localisation and Mapping Software Engineer**; Edinburgh University Formula Student

- Working as part of a small team improving the localisation and mapping aspect for designing a self-driving Formula 1 race car.
- Advancing my **communication skills** such as coordinating efforts and sharing ideas.
- Utilising SLAM algorithms, integrating various sensors, working with Python and C++, which has helped me to improve my **technical skills** in these areas.
- Expanding my experience of using different tools and platforms.
- Our team peer reviews work, which has given me experience of giving and receiving constructive feedback and learning from my peers.

Feb 2024 -  
Present

**Software Support Engineer**; Caydale Consulting LTD

- Working with end-users of software and systems to provide technical support and assistance for their software, hardware or technical problems including connection, slow performance, inability to access data, or inefficient programs.

Dec 2022 -  
Nov 2023

**Ambassador**; Meet and Code

- Served as the European ambassador for Meet and Code, Europe's largest coding charity.
- This involved speaking in webinars to 100+ people, and to high-profile companies such as Amazon.
- Developed my **public speaking and presentation skills**.

Dec 2021 -  
Jul 2023

**Coding Tutor**; Cromar Future Group

- Led weekly group sessions which ranged in topics from Unity to Python.
- This role has enhanced my **interpersonal, communication and organisational skills**.

Aug 2021 -  
Apr 2023

**President**; Banchory Academy's Public Speaking and Debating Society

- Competed in national debating competitions, and led weekly sessions to a group of young people covering public speaking and constructing a convincing argument which improved my **leadership and public speaking skills**.

## Education

**Apr 2023 -  
Jun 2028**

**Master of Informatics (MInf);** The University of Edinburgh

First year courses: Introduction to Computation, Introduction to Linear Algebra, Object Orientated Programming, Applications of Calculus, Cognitive Science, and Planning a Business Startup

**Aug 2017 -  
Apr 2023**

Banchory Academy (Aberdeenshire)

Final Grades: AAAAA in Advanced Higher Physics, Advanced Higher Mathematics, Advanced Higher Mathematics of Mechanics, Advanced Higher Chemistry, Advanced Higher Music

AAAAAA in Higher Mathematics, Higher Physics, Higher Chemistry, Higher Applications of Mathematics, Higher English, Higher Music

Activities and Societies: elected President of the school's pupil run public speaking and debating club, Senior House Captain, pianist in the school's Soul Band, lead violinist of the school's orchestra

## Skills

Python • Robot Operating System (ROS) • Gitlab • SLAM • Communication • Teaching  
• Unreal Engine 4 • Unity • C++ • Public Speaking • Leadership

## Honours & Awards

**Jun 2023**

**School Dux Prize 2023 (Valedictorian);** Banchory Academy

**Jun 2022**

**Queen's Award for Voluntary Service;** Cromar Future Group

Accepted the Queen's Award for Voluntary Service, the highest award a voluntary group can receive in the UK, on behalf of Cromar Future Group in my capacity as Python tutor.

**Dec 2020**

**Achieved a Gold CREST award;** British Science Association

For my Gold Crest award, I designed, built and programmed a 3D room scanner. This comprised a distance sensor mounted on a pan and tilt unit run using C++ and Python with the reconstruction displayed as part of a GUI.

**Jan 2019**

**Winner of International CoderDojo competition;** CoderDojo

Winner of the Games, Digital art and animation category of the CoderDojo gratitude competition. This project involved simulating the planetary orbits, according to Kepler's Law's of planetary motion.