

# JACK IRVINE

jackirvine.dev

Tel: 07918 854 989  
jack@potentialinnovations.com

<https://www.linkedin.com/in/irvinejack>  
<https://www.github.com/jackrvn>

## Education

---

*The University of Edinburgh* 2019-2023

### BSc (Hons) Artificial Intelligence

Focussing on ML and NLP. Leading member of AlgoSIG (algorithmic trading division of CompSoc).

*Tianjin Normal University (天津师范大学), Tianjin* 2018-2019

### Intermediate Level Mandarin Chinese

Received a full scholarship to study Mandarin Chinese in China for 11 months. Attended several high-profile events, including the World Intelligence Congress and the St Andrews Day Ball at the British Embassy.

*Anderson High School, Shetland* 2016-2018

### Mathematics, Mechanics, Computer Science, Business, English, Physics

Activities: Managed a small team as part of the Young Enterprise program to grow a profitable and reputable business, winning the Regional Company of the Year Award in Shetland, 2018.

## Experience and Projects

---

Prior experience in Python, SQL, Java, Kotlin, Swift, Dart, JS, Haskell, Azure, AWS

**Director - Potential Innovations Ltd** August 2021-present

- Exploring solutions in assistive planning technology for young people with special education needs. Working alongside leading professionals in education and a former Director of Children's Services.

**Software Developer - Grounds Maintenance Solutions Ltd** Summer 2021

- Worked as part of a team to implement solutions in Flutter, WordPress, Azure DevOps and AWS. Built on previous experience using version control systems.
- Identified solutions to reduce server costs by over 50% while strengthening security and performance.

**Informatics Tutor - The Sutton Trust** Summer 2021

- Lead the provision of the project day for the Sutton Trust Summer School alongside PhD students.
- Refined organisational and leadership skills while working with 7 high school students in topics surrounding Machine Learning and Data Science.
- Developed interactive learning materials using Jupyter Notebook, GitHub and Google Colab.

**Personal Project - Shetland Dictionary Project** 2020-present

- Took on the design and development of a Shetland Dictionary app in collaboration with Shetland ForWirds to digitise and preserve the local dialect and culture.
- Currently exploring extensions to the project with a linguistics student.
- Built the app using Flutter and SQL.

## Awards, Certificates and Scholarships

---

Bloomberg Market Concepts (BMC)	2021
Celonis Masterclass in Data-Driven Management	2021
Microsoft Certified: Azure Fundamentals (AZ-900)	2021
Microsoft Certified: Azure Data Fundamentals (DP-900)	2021
Microsoft Certified: Azure AI Fundamentals (AI-900)	2021
Confucius Institute for Scottish Schools Tianjin Scholarship	2018
Shetland Young Enterprise Company of the Year	2018
Strathclyde Business School Young Enterprise Exam (with credit)	2018
Emergency First Aid at Work (RLSS certified)	2018

## Other Skills

---

Video Production ([irvinefilm](#))

Adobe Creative Cloud (Illustrator, Xd, Premiere Pro, Photoshop)

Affinity Designer

Data Visualisation (PowerBI, Matplotlib, Seaborn)