

## WORK EXPERIENCE

### ICELAND OCEAN CLUSTER (*Innovation hub specializing in the blue economy*)

Reykjavik, Iceland

AI Research Intern

September 2025 – Present

- Produced map of current and emerging applications of artificial intelligence across blue-economy sectors.
- Using Python, Excel and PowerBI: Identified global trends, gaps, and actionable recommendations with specific relevance for Iceland and the Nordics. Presented findings at a conference to different stakeholders and companies.

### BLAZESQL (*AI-powered Natural Language to SQL Data Analysis Software*)

Luxembourg

Junior Data Scientist

Nov 2024 – March 2025

- Conducted comprehensive error analyses of natural language to SQL query pipeline using python, processing 2,000+ error instances across multiple database types contributing to reduced query error rates via regular collaboration with model engineers.
- Developed dashboards using BlazeSQL software to track user error trends, saving hours of manual reporting work.
- Identified key improvement areas including timestamp data handling, reserved keyword handling, and database-specific syntax variation.

### VECTOR PROPERTIES Ltd.

Luxembourg

Assistant Bookkeeper

July 2020 - September 2020

- Categorized and maintained financial records according to updated regulatory requirements.

## EDUCATION

### UNIVERSITY OF BATH

Bath, England

Computer Science MSc (Graduated with **Distinction / 1st Class Honors**)

2023 - 2024

Relevant Courses: Artificial Intelligence, Reinforcement Learning, Software Engineering (*Python, C, Java, Haskell*),Databases (*SQL*), EntrepreneurshipDissertation: “*Investigating the Hot-Hand in NBA Basketball*” (*Awarded a 1st / 73%*)

### UNIVERSITY OF EXETER, Psychology BSc

Exeter, England

Achieved First-Class Honors in Statistics and Research Methods classes

2020 - 2023

Dissertation: “The effect of processing fluency on facial attractiveness”

## PROJECTS

### Dissertation: “Investigating the Hot Hot hand in NBA basketball”

Distinction / First Class / 73%

- Used python and machine learning (Random Forest, XGBoost) methods to investigate the “hot hand” phenomenon in NBA basketball, analyzing over 400,000 shots across live games and 3-point contests.
- Developed shot prediction models, achieving up to 64% accuracy comparable to other state-of-the-art approaches in sports analytics.

### Reinforcement Learning - Rainbow DQN for Lunar Lander

Distinction / 84%

- Implemented a Rainbow DQN reinforcement learning algorithm involving 6 key extensions to a basic DQN algorithm to solve the Lunar Lander environment using PyTorch and OpenAI Gym.
- Collaborated with a team using Agile and Scrum for iterative development and weekly sprints.

### Artificial Intelligence - Sudoku Solving Algorithm

Distinction / 71%

- Built an efficient Sudoku Solver implementing constraint propagation with DFS backtracking in Python.

## CERTIFICATIONS

### GOOGLE DATA ANALYSIS PROFESSIONAL CERTIFICATE

June 2025

Data collection, cleaning, analysis, and visualization using industry-standard tools like SQL, R, and Tableau.

### RICE UNIVERSITY DATA ANALYSIS USING EXCEL

October 2024

Data analysis for business applications including PivotTables and advanced formulas.

## ADDITIONAL

**Skills:** Python, SQL, pandas, sci-kit learn, PyTorch, Data Visualization, PowerBI, Excel, Git, LLM Prompting**Languages:** **Native** - English, German **Intermediate** - (Icelandic, French)

**About Me:** Data Scientist with expertise in machine learning. My multidisciplinary background has provided me with a strong statistical and research base that has spurred my passion for data analysis. As an older brother and the only computer scientist among my friends and family, I’m particularly skilled at explaining convoluted technical ideas simply. I credit my drive for self-improvement and my excellent team collaboration skills to my experience as a semi-professional basketball player.