

DANIEL ZAHERELDEEN

// COMPUTER SCIENCE GRADUATE

<ABOUT_ME>

A Computer Science graduate from Reykjavik University with a deep curiosity for problem-solving, and a strong focus on **data science**, **machine learning**, **AI**, and **mathematics**. This includes two years of full-stack development experience at LS Retail, where I was selected into LS Retail's competitive [Future Leaders Program](#).

Currently completing a research project in collaboration with **ETH Zürich**, with a paper in preparation for journal publication. Also drawn to **cybersecurity**, with hands-on CTF competition experience.

I'm looking for a team where I can keep growing and make a meaningful contribution.

<EDUCATION>

MAY-2026

COMPUTER SCIENCE BACHELOR (AI & ML emphasis)

REYKJAVÍK UNIVERSITY

A brief of the courses taken:

- Machine Learning
- Artificial Intelligence
- Computer Networks
- Databases
- Operating Systems
- Cybersecurity

AUG-2023

Final grade: ~9.1/10

APR-2022

DENTISTRY & PRE-MED STUDIES

DAMASCUS UNIVERSITY

SEP-2020

Then decided to transfer to Computer Science.

JUL-2020

HIGHSCHOOL

SEP-2017

AL-BASEL SECOND SCHOOL OF OUTSTANDING STUDENTS

Final grade: 96.97%

<WORK_EXPERIENCE>

PRESENT

FULL-STACK DEVELOPER

at LS Retail

Developed and maintained full-stack features for LS Retail's internal DevOps tools, working across the **Update Service** and **Self Service** platforms. Contributed to package management and deployment workflows for POS and retail systems, as well as release planning and CI/CD pipeline integration. Worked across the full stack with ASP.NET Core, Vue 3, Vuetify 3, SQL Server, and Azure DevOps.

MAY-2024

PRESENT

TEACHING ASSISTANT

at REYKJAVÍK UNIVERSITY

Served as a Teaching Assistant for "Calculus for Computer Science" and "Discrete Mathematics 2", taking responsibility for preparing course materials, leading tutorial sessions, and grading assignments and exams. Driven by a genuine passion for mathematics and helping students build strong foundational understanding.

AUG-2025

<RESEARCH_PROJECT>

MAY-2026


Analysis of Wind Farms Impact on Property Prices Using Difference-in-Differences

Research Final Thesis - Reykjavik University x ETH Zürich

Conducting research on the impact of wind farms on property prices in southern Great Britain as part of the EU-funded **WIMBY project**, in collaboration with **ETH Zürich**. Analyzed +5.7M property transactions across +2K wind turbine sites, applying machine learning and causal inference methods (Hedonic Difference-in-Differences) to large-scale geospatial and economic datasets. And a paper is in preparation for submission to a peer-reviewed conference.

JAN-2026

CONTACT

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LINKS

 danielzh.com

 linkedin.com/in/danielzhrdn

 github.com/Danielzhx

SOFT SKILLS

- Problem-Solving
- Fast Learning
- Analytical Thinking
- Teamwork
- Creativity
- Strong Communication

TECHNICAL SKILLS

 Python (Scikit-learn, Pandas, GeoPandas, Matplotlib, Seaborn)

 Jupyter Lab

 SQL

 Git

 Azure DevOps

 .NET ASP.NET Core (C#)

 Vue 3 (TypeScript/JavaScript)

LANGUAGES

- English: Advanced
- Arabic: Native
- Icelandic: Intermediate



<PROJECTS_&_COMPETITIONS>

● CYBERSECURITY

CTF competitions & CySec club

Competed in the **Telia Cyber Battle of Nordic-Baltic** 2024 and **Gagnaglíman** CTF tournaments.

Also reached the top 10 on the platform's general CTF scoreboard during training. I was also an active member of **CySec**, which is Reykjavik University's cybersecurity club, participating in and helping organize events covering topics such as *honeypot deployment*, *network traffic analysis*, and *penetration testing techniques*.

Reconnaissance & Bug Bounty

I got selected by Reykjavik University to attend a reconnaissance course by **Jason Haddix** (The Bug Hunter's Methodology), covering advanced recon techniques for offensive security, attack surface mapping, and bug bounty hunting.

I'm also registered as an ethical hacker (defender) on the **Defend Iceland** bug bounty platform, which is a cybersecurity initiative that brings together ethical hackers to identify vulnerabilities across Iceland's digital infrastructure.

● Nýsköpun og stofnun fyrirtækja (Innovation & Entrepreneurship)

3rd Place

My team and I placed 3rd in Reykjavik University's mandatory innovation and entrepreneurship course, a university-wide competition where student teams develop and pitch original business ideas.

● Forritunarkeppni Háskólanna á Íslandi

Two-time participant in the Icelandic University Programming Contest, competing in algorithmic problem-solving under time pressure.

<VOLUNTEER_EXPERIENCE>

SEP-2021

THE SCIENTIFIC AGNOSTIC SOCIETY

Co-founded an association dedicated to promoting scientific and intellectual awareness in the community through free public seminars and lectures.

AUG-2017

JUN-2025

Strákar og stálp í háskóla

Volunteered at a university outreach event aimed at introducing secondary school students to higher education and career opportunities in technology and science, helping to run activities and mentor young participants.

FEB-2024

YOUTH PASS

PATHWAY TO INTEGRATION

A cross-European Erasmus+ volunteer project aimed at discovering and empowering young migrants and refugees. Participated in a Focus groups held in Turku, Finland.

APR-2024

THE RED CROSS

Supporting applicants for international protection. Involved in four projects: The Youth Club, The Red Cross Store, The English Classes, and The English Conversation Club.

MAY-2022

<OTHER_EXPERIENCES>

2021

THE CENTER FOR ADVANCED SCIENCES (CAS)

Co-founded an educational institute focused on Mathematics, Physics, and Biology, drawing on curricula from Oxford and Cambridge. Conducted hands-on scientific experiments, including solar and lunar radius measurements using self-manufactured instruments. Also different projects were established such as The Scientific Agnostic Society.

2016

REFERENCES

Dr. Christoph Lohrmann

christophl@ru.is - 825 6320

Assistant Professor and head of the MSc in Data Science at the Dept. of Computer Science, Reykjavik University

He was my teacher in the Machine Learning and Linear Algebra courses, and my supervisor for the final project.

Arnthor Magnusson

arnthor@lsretail.com - 898 8033

Product Owner at LS Retail

My direct supervisor, overseeing my day-to-day work across the Update Service and Self Service platforms throughout my time at LS Retail.

Lovisa Juliusdóttir

lovisaju@lsretail.com - 616 5015

Director of Development at LS Retail

The senior leader overseeing our development department at LS Retail and my contributions across teams.

Szabolcs Horvát

szabolcsh@ru.is - 825 6366

Assistant Professor at the Dept. of Computer Science, Reykjavik University

He was my teacher in the "Calculus for Computer Science" and later I was the TA in that course.

Rakel Gunnarsdóttir

rakelg@ru.is - 599 6470

Project Manager in HR's Communications and Marketing Department

Rakel was a project manager in the Computer Science Department and she helped me a lot through my academic journey.

MORE SKILLS AND COURSES

- Psychology First Aid Course
- First Aid Course I
- Karate: holder of a black belt DAN 2

ADDITIONAL EXPERIENCES

In addition to the jobs listed above, I have also gained practical experience across various service roles including weekend shift manager, barista, and customer assistant, which helped me develop strong communication, time management, and leadership skills in fast-paced environments.