

# Ómar Bessi Omarsson



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## — About Me

A motivated Computer Science undergraduate student. Teaching Assistant in Calculus, Discrete Mathematics I & II, and Algorithms. Recipient of a summer research grant, conducting work on Neural Architecture Search for Signal Processing. Ranked among the top 2% of my cohort with an average grade of 9.38.

## — Professional Experience

SPRING 2026

ARION BANKI - INTERN

Intern in the 'AI & Automation' team at Arion Banki over the course of the spring semester in 2026.

2024 -

REYKJAVÍK UNIVERSITY - TEACHING ASSISTANT

TA for the following courses in Reykjavík University's Computer Science program:

- Discrete Mathematics I (Autumn 2024)
- Algorithms (Autumn 2025)
- Calculus (Autumn 2025)
- Discrete Mathematics II (Spring 2026)

SUMMER 2025

RANNÍS - NEURAL ARCHITECTURE SEARCH RESEARCHER

- Conducted research on optimizing ensemble model architectures for bio-signal-based sleep stage classification using Neural Architecture Search (genetic algorithms).
- Designed and implemented evolutionary algorithms for optimizing 1D CNN architectures.

## — Achievements

- Named to the Dean's List (Fall 2024) for academic excellence (Average grade: 9.80).
- Named to the Dean's List (Autumn 2025) for academic excellence (Average grade: 9.60).
- Awarded a research grant from Rannís (Nýsköpunarsjóður námsmanna).

## — Education

REYKJAVÍK UNIVERSITY

BSc in computer science

Aug 2023 - May 2026

LUND UNIVERSITY

Exchange Semester

Jan - May 2025

## — Skills

- Technical: Python, Java, C++, SQL, Git, TensorFlow, PyTorch, NumPy.
- Specialized: Machine Learning, Data Science, Deep Learning, Algorithm Design & Analysis.

## — References

- María Óskarsdóttir
  - University of Southampton
  - M.Oskarsdottir@soton.ac.uk
- Szabolcs Horvát
  - Reykjavík University
  - szabolcsh@ru.is

## — Languages

Icelandic: Native Speaker

English: Fluent

Japanese: Elementary