Logi Sigurðarson

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Education

University of Copenhagen   *Copenhagen, Denmark*
Software Engineering   *Feb-June 2023*
- Exchange semester at one of the most prestigious universities in Europe.
- **Courses:** Programming Language Design, Database Management Systems and Software Development for Digital Health.

Reykjavík University   *Reykjavík, Iceland*
BSc in Software Engineering   *2021 - 2024*
- Dean's List, spring 2022.
- GPA: 9.4

Commercial College of Iceland   *Reykjavík, Iceland*
High School Diploma   *2018 - 2021*
- GPA: 8.9
- President of the school chess club and a member of the charity committee.

Experience

Keystrike   *Urðarhvarf, Reykjavík*
Software Developer   *Oct 2023 - present*
- Developing ways to continuously authenticate users, protecting them from phishing attacks and spear phishing attacks.
- I and a team of interns are developing an OTP authentication gateway and packages for seamless integration for clients and developers.

Reykjavík University   *Menntavegur, Reykjavík*
Teaching Assistant   *Aug - Nov 2023*
- Teaching assistant in the course Programming I, an introductory programming class for first year students.
- Very rewarding experience, shaping young minds and helping them take their first steps in the field of computer science.

Language and Voice Lab – Reykjavík University   *Menntavegur, Reykjavík*
Developer and Research Assistant   *June - Sept 2023*
- Research project focused on how standardizing data could dramatically improve large-language models for low-resource languages like Icelandic.
- Responsible for standardizing 6.000 QA's as well as developing the AI pipeline and training the AI models.

Morgunblaðið, mbl.is og ViðskiptaMogginn   *Hádegismóar, Reykjavík*
Journalist   *May 2021 - Feb 2023*
- Business journalist for two summers.
- Part-time journalist, parallel to computer science education.
- Youngest journalist at Morgunblaðið.
- Interviewed every member of the Icelandic cabinet, except two.

Projects

Todo-Site w/React & Rust   *Reykjavík, Ísland*
University of Copenhagen   *May 2023*
- Final project in the course Databases and Information Systems.
- The project, developed using Rust and Typescript, was selected among the top five projects in the course.
- **Github**: Todo-Site repository.
- **Technical skills:** React, Typescript, Rust, Actix Web, PostgreSQL, Git, Vim.

Optimizing Flappy Bird Gameplay using Q-Learning Techniques   *Reykjavík, Iceland*
Reykjavík University   *Nov 2023*
- Final project in the course Introduction to Machine Learning.
- Developed Q-learning and Deep-Q-learning models for the famous mobile game, Flappy Bird.
- Q-learning Agent recognized as the top performer in class.
- **Github**: Project repository.
- **Technical skills:** Python, Pytorch, Scikit-learn, Pygame.

Building microservices w/FastAPI   *Reykjavík, Iceland*
Reykjavík University   *Nov 2022*
- Final group project in the course Software Design and Implementation.
- Responsible for developing four independent microservices running with their own MongoDB database.
- Ranked number 1-3 in class.
- **Github**: Project repository.
- **Technical Skills:** Python, FastAPI, MongoDB, PostgreSQL, RabbitMQ, Git, Vim.

Skills

Extracurriculars	Chess, PA, Hiking, BJJ, Soccer.
Programming	Python (FastAPI, Pytorch, Pandas, Scikit-learn.), JavaScript, Express, SQL, Java, C, C++, Docker, MongoDB, RabbitMQ, Rust, Go.
Technology	Linux, Shell (Bash/Zsh), REST, LaTeX(Jupyter notebook), Git, Github, Neovim, Vim, Postman, Burp Suite.
Interest	Cybersecurity, AI, Operating systems, Networking, Web applications, Clean code, Cyber-Physical systems.

Achievements

2022	**Dean's list**, Reykjavík University	*Iceland*

Languages

Icelandic	First language
English	Fluent