

Eydis Helgadottir

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BIOGRAPHY

Computer Science student at Missouri State with a passion for problem-solving and building tech that makes an impact. As a former D1 soccer player I bring discipline, teamwork, and a competitive edge to every project.

TECHNICAL SKILLS

Languages: Python, C++, Java, C, R, Kotlin
Tools: Git, Docker, Visual Studio, VS Code, Android Studio, RStudio, React
Databases: SQLite, PostgreSQL (academic), exposure to SQL and NoSQL
Concepts: REST APIs, Data Structures, OOP, Agile, Testing, Algorithms

PROFESSIONAL EXPERIENCE

Software Intern – Valka, Reykjavik, Iceland (May 2022 – Aug 2023)

- Assisted in development of autonomous sorting algorithms in C++.
- Collaborated with senior engineers to test and debug fish processing automation systems.
- Gained insight into production-level software development.

Team Manager – Kopavogsbær, Iceland (Summer 2024)

- Managed a crew of 20+ youth workers on city maintenance projects.
- Developed leadership, communication, and logistical planning skills.

PROJECTS

Password Strength Analyzer (Python Django, HTML, Javascript)

- Built a tool that estimates password strength based on real-world empirical password datasets
- Implemented search space calculations and pattern-matching techniques
- Compared effectiveness of different password-cracking strategies

Meal Tracker App (Java, Android Studio, SQLite)

- Developed a mobile app to log meals and track macronutrients.
- Implemented local database, login system, and user-friendly UI.

EDUCATION & AWARDS

Missouri State University

Major: Computer Science
Minor: Mathematics
GPA: 3.75
Full Academic and Athletic Scholarship Recipient

Awards and Accomplishments

MVC Commissioner’s Academic Excellence Award 2022-23
MVC Honor Roll: 2021-24
MSU Athletic Director’s Honor Roll: 2021 - 2025
Missouri Valley Conference Champion – Women’s Soccer (2022, 2024)

RELEVANT COURSEWORK

Computer Science

Operating Systems, Advanced Data Structures and Algorithms, Software Engineering, Data Mining, Internet Programming, Database System Concepts, Intro to AI

Math

Calculus I, II, and III, Linear Algebra, Discrete Mathematics, Statistics for Scientists and Engineers