

# Bence Szabó

Software engineering student

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## Education

**Aalborg University Copenhagen (2021 – 2024)**

- BSc Civil Engineer Software (5th semester)
- Education with a focus on the problem-based learning model and real-world problem-solving
- Project management of 5+ people throughout a semester

## Experience

- **C-programming** (Fundamentals of coding)
- **Web development and database management**  
(JavaScript, HTML, CSS, Node.js, Express, React, Next.js, MongoDB, Firebase)
- **Object-oriented programming** (Java, JUnit 5)
- **Statistical Computing** (Python, R)
- **Testing and debugging** (Test suites, Error handling)
- **Version control and continuous integration** (Git)
- **System design** (Software architecture, Design patterns, UML)
- **Algorithms and data structures**  
(Complexity, Sorting, Pathfinding, Search trees, Hash tables)
- **Design and evaluation of user interfaces**  
(Visual Paradigm, Balsamiq Wireframes, Draw.io, Figma)
- **Logic**, discrete mathematics, and linear algebra
- **Language and compiler design**
- **Office 365, Adobe Products, and Google Workspace**

## Latest Team-based projects

**A new high-level programming language and a compiler that compiles to Assembly 6502**  
(Java focused – 2023)

**A well-structured and tested task management tool developed in collaboration with a client**  
(Java focused – 2022)

**Fully functional, dynamic budgeting web application**  
(JavaScript focused – 2022)

## About me

**Located in:** Copenhagen

**Fluent languages:**

Danish, English, Hungarian

**Date of birth:** 01/05/2001

**Interests:** Music, film, fine arts, running, travelling

**Good with people:**

Service worker at Rema 1000  
(2016 – 2018)

**Passionate about data:**

Social media manager for an entertainment company  
(2018 – 2020)

Experienced in engagement analytics and small-scale advertisement campaigns