Thomas Barth

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github.com/ELmustasje thomasbarth.no

EDUCATION

University Of Bergen   Bergen, NO
Bachelor of Science in Computer Science, GPA: 4.5 (A = 5)   *Aug. 2023 – Jun 2026*

EXPERIENCE

Intern - Software Development   Jun 2025 – Aug 2025
KLP Teknologi   *Oslo, NO*

- Full-stack development with Java (backend) and React (frontend) on a pension case management system
- Delivered 30+ improvements to production in an Agile development environment, enhancing efficiency for users and customers with my team
- Gained domain knowledge in pension systems while solving technical challenges
- Demonstrated quick adaptability, proactivity, and strong problem-solving skills

Teaching Assistant   Sep. 2024 – Present
University Of Bergen   *Bergen, NO*

- My third straight semester working as a Teaching Assistant
- Currently working with the Data structures and algorithms course (DSA)
- Previously been employed for the the courses: Intro to programming and Object-oriented programming (OOP)
- Assisted in research comparing teaching methods at UiB with other universities

VOLUNTEER EXPERIENCE

Board Member   Sep 2024 – Jun 2025
FriByte   *Bergen, NO*

- Contributed to FriByte, a non-profit student organization developing and managing secure IT systems for cultural organizations, student media, and political student groups in Bergen

Board Member   Nov 2024 – Present
BSI Golf   *Bergen, NO*

- Maintained and improved IT-systems (website, payment, training sign-ups) ensuring smooth operations

FEATURED PROJECTS

SharedShopping | *Go, JWT, REST, MySQL, TSX*   Aug 2025 – Present

- Designed and developed a REST API in Go, integrated with React frontend for real-time collaborative shopping lists
- Collaborative shopping list web application where multiple users can create, manage, and share shopping lists in real-time
- Implemented JWT-based authentication and secure sharing links, ensuring privacy and controlled list access

Studentskatt.no | *TSX, NodeJS, Vercel, Financial research*   Dec 2024 – Present

- Deployed website on Vercel cloud platform, ensuring scalable access for students across Norway
- Centralized official resources into an accessible format, improving financial awareness among students

ACHIEVEMENTS

- Winner, Labyrinten UiB programming contest (team-based university competition)
- Gold medalist and 2x Junior National Champion, National Team Championships in badminton.

TECHNICAL SKILLS

Languages: Go, Java, Python, C/C++, JavaScript/Typescript, Rust, Haskell
Frameworks: React, Node.js, JUnit, Spring
Developer Tools: Git, Docker, Maven, Jenkins (CI/CD), Kafka
Theory: Advanced generics and variance, Database theory, Concurrent Programming