Sondre NILSEN Algorithms @ UiB | Full stack developer

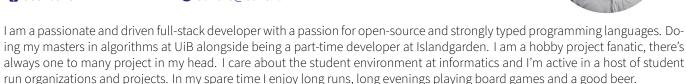
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EDUCATION

University of Bergen

2020—2022 | Department of Informatics, Master of Science Informatics - Algorithms 2017—2020 Department of Informatics, Bachelor of Science Computer Technology



EXPERIENCE

Jun 2021 Summer intern, NAV IT, NAIS, Oslo

Aug 2021

- Developed an application to keep NAV's Kubernetes cluster free from failing applications
- > The application is written in Go while interfacing with Kubernetes, Prometheus and InfluxDB
- Lent a hand in projects in NAIS that required frontend experience

Go Kubernetes Prometheus

Oct 2020

Developer, part time, ISLANDGARDEN, Bergen

- > Full stack development using React and Firebase
- Develop and consult customers on developing what they need, from design to implementation TypeScript React Firebase

Jun 2020 Summer intern, CAPRA CONSULTING, Oslo

Aug 2020

- Developed an e-learning platform for medicine students at UiO
- Full-stack development with domain driven design and trunk based development AWS | Kotlin | http4k | GraphQL | PostgreSQL | React | TypeScript | Docker | Domain driven design |

Jan 2019 Developer, part-time, SBANKEN, Bergen

Oct 2020

- I work on the landing page for the mobile app on both Android and iOS
- Develop and maintenance of REST API's in .NET that is used by several React applications CSharp REST React TypeScript JavaScript

Jun 2018 Teaching assistant INF100, DEPARTMENT OF INFORMATICS, University of Bergen

Dec 2018

Held the exam crash course for both Tekna and NITO, and lectures where I reviewed weekly exercises

Helped the students with their weekly exercises, mandatory assignments and general question about programming and informatics

Python

Jun 2018

Developer, Department of Informatics, University of Bergen

Aug 2018

- Developed a portal and webapplication for the students taking INF100 that enabled them to work on, submit and get automatically graded assignments
- Had 500 users and ran on Google Cloud Platform with Kubernetes

Python Django Google Cloud Playform



EXTRACURRICULAR

2019 Board member, webmaster, ECHO KARRIERE, Bergen

- echo karriere is a student organization that runs the career fair for IT-students in Bergen
- > Project lead for the development group where I lead 6+ students in developing our solutions
- Developing a full-stack solution for managing the career fair and our website

Kotlin Ktor GraphQL PostgreSQL React TypeScript Docker

2018 Board member, leader, ECHO MAKERSPACE, Bergen

- Founding member through my engagement in echo, became leader in the autumn of 2019
- I make sure we have the equipment we need, that new members are well taken care of and that our events run smoothly

2018 | Board member, Eсно, Bergen

2019 Represented the students interests in the Programme Committee at the departement. The committee is responsible for the courses and degrees and their quality

2018 | Board member, Gnist, Bergen

Arranged 'Informatikkdagen' where all high schoolers in Bergen with an interest for informatics was invited

> Arranged activities for the students, code nights, board game nights and crash courses for subjects

2019 | Board member, FAGKVELD, Bergen

2019 Arranged an event for students where 12 companies came and shared their knowledge

➤ Updated and developed the website written in React/JavaScript and hosted with GitHub Pages

React JavaScript GitHub Pages



2019 | Volunteer, JAVAZONE, Oslo

- Helped speakers get ready, counted attendees and cleaned between talks
- > Sat in the information desk where I helped attendees with all their questions

2019 | Volunteer, Booster, Bergen

- ➤ Helped with assembling and disassembling workshops and talks
- > Helped participants at Booster Kid with programming and Arduino



PROJECTS

ECHO KARRIERE

Kotlin Ktor GraphQL PostgreSQL React TypeScript Docker

🗘 echo-karriere 🔼 echo karriere 🖸 echo karriere docs

GitHub organization for echo karriere where our website, full-stack solution and documentation lives.

GIT-IGNORE

Rust Git GitHub Actions

sondr3/git-ignore

Fetch and list templates for .gitignore from the API for gitignore.io. Alle templates are cached locally and the program works on both Windows, macOS and Linux. It is automatically build and released on GitHub.

GIT-ANGER-MANAGEMENT

Rust Git GitHub Actions

Sondr3/git-anger-management

Have you ever wondered just how angry your co-workers and/or you are? Or just how naughty the commit log for a project is? This tool counts the number of curses and their authors. It is also automatically built and released on GitHub.

CV-AAS

Rust GraphQL Dhall LaTeX Docker GitHub Actions

sondr3/cv-aas Cv.eons.io

My CV-as-a-Service with its own GraphQL API that also generates this CV in both english and norwegian.

LESESALEN

TypeScript React Gatsby styled-components Discord Docker

☐ lesesalen ☑ gummiand.no ☑ lesesalen.com

GitHub organization for students by students at informatics, UiB. We have gathered and built two websites as well as a Discord bot for the server I started for the informatics students.

MOCCA OPERATIONAL CONTROLLER FOR COFFEE AVAILABILITY

JavaScript React Python Arduino IoT

nf219-mocca

'Is there any coffe left?' is the most common question for a student, a question a friend and I set out to answer once and for all. MOCCA is an IoT platform with a camera, temperature and power sensor that can tell you how much and how fresh the coffee is.



Languages Rust, Kotlin, TypeScript/JavaScript, Go, Python, SQL, Java, Haskell, CSharp

Technologies React, DevOps, GraphQL, REST, Docker, Linux, Git, Kubernetes, Prometheus, CSS, HTML,

styled-components

Workflow Domain driven design, Agile, Kanban, GitHub Actions, CI/CD, XP, project management,

pair/mob programming

Personal pianist, board game enthusiast, semi enthusiastic jogger, certified diver, sticker collector