

Jonas Solhaug Kaad

Software Engineering student with an interest in impactful solutions

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SUMMARY

Passionate software engineering student with hands-on experience in software development and mobile computing. Analytical and solution-driven, with a strong focus on practical applications. Experienced teaching assistant and student developer who enjoys breaking down complex technical concepts. Thrive on new challenges and global perspectives, driven to build intuitive and impactful technology.

EXPERIENCE

Student Software Developer May. 2023 - Feb. 2025
EURISCO Odense, Denmark

- Developed on a web-based tracking system for power plants using Angular, Go and PostgreSQL.
- Automated a CIS-compliant Red Hat Linux server setup with Wazuh and Ansible.
- Designed and built a configurable OPC UA client in Go for secure, real-time power plant data exchange.

Teaching Assistant in Advanced Object-Oriented Programming Feb. 2022 - Jun. 2025
University of Southern Denmark Odense, Denmark

- Led the transition of course materials from Java to C#, ensuring clarity and consistency.
- Designed graded mini-exams and taught advanced topics like design patterns, GUI (Avalonia) and unit testing.
- Provided hands-on guidance in problem-solving and best coding practices.

EDUCATION

University of Southern Denmark Sep. 2023 - June 2025
M.Sc. in Software Engineering Odense, Denmark

Pohang University of Science and Technology Sep. 2024 - Dec. 2024
International Exchange Program Pohang, South Korea

University of Southern Denmark Sep. 2020 - June 2023
B.Sc. in Software Engineering Odense, Denmark

City University of Hong Kong Aug. 2022 - Dec. 2022
International Exchange Program Hong Kong

PROJECTS

Phraser | *Swift, JavaScript* Oct. 2024 - Dec. 2024
jonaskaad.com/projects/phraser

- Developed an iOS application using Swift with a REST API built in JavaScript.
- Generated context-aware phrases using user location and a fine-tuned GPT-4o mini model.
- Integrated real-time phrase translations in-app using Azure Translation API.

Recognition of Patterns in Flight Tracking Data | *C#, SQL, JavaScript* Feb. 2023 - June 2023
jonaskaad.com/projects/flight-patterns

- Developed an algorithm in C# to recognize holding patterns from flight data.
- Designed and implemented a GUI in Blazor & JavaScript to visualize flight data and holding patterns.

TECHNICAL SKILLS

Languages: Java, C#, Go, Swift, JavaScript, Python, SQL, MongoDB

Developer Tools: Git, Docker, Google Cloud Platform, Terraform, Ansible