

French computer science student with an interest in compilers, in 2024 pursuing my third year at Epitech.

Seeking a challenging 6-month internship opportunity from March to August 2026.

Experienced in Swift, LLVM, and compiler technology, having worked with them in multiple projects.

CONTACT



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Snowy1803



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emil-b-pedersen

PROGRAMMING

- ★ Swift
- ★ C
- ★ C++
 - Java
 - Python
 - Rust
 - JavaScript
 - Haskell

TECHNOLOGIES

- CMake, Makefile
- Figma, Canva
- macOS, Linux, Docker
- GitHub Actions, Jenkins
- Jira, GitHub, GitLab, Git

HOBBIES

- Learning new programming languages
- Cybersecurity

LANGUAGES

- ★ French bilingual
- ★ Danish bilingual
- ★ English autonomous (C1)

EMIL PEDERSEN

EDUCATION

Expert in Software Engineering (GPA: 3.96)

Epitech Technology (Paris, France)

2021 – 2026

Baccalaureate with highest honours

Mathematics and Computer Science specialties

2018 – 2021

PROFESSIONAL EXPERIENCES

2024 Compiler Engineering Intern

Apple (Cupertino, California)

Improvement of debug info propagation during optimization passes, in the Swift compiler

2023-2024 Teaching assistant

Epitech Technology (Paris, France)

Answering students' technical questions, in French and English

2022 iOS Engineering Intern

RATP Smart Systems (Paris, France)

Development of features on the Mappy and Bonjour RATP iOS apps, popular Mobility as a Service apps in France

SOME OF MY PROJECTS

2023 Coconut Coding Style Checker

A C++ program, for checking the C coding style of students, using Clang's libtooling and AST matchers

[#C++](#) [#LLVM](#) [#Clang](#) [#Docker](#)

2017 – 2022 The GRPH programming language

A programming language allowing the animation of vector figures, with a compiler implemented in Swift, using LLVM, and a standard library in C and C++

[#Swift](#) [#C](#) [#C++](#) [#LSP](#) [#LLVM](#)



2020 – 2021 French Republican Calendar

A date converter to the Republican calendar of 1793. Available on iOS, watchOS and on the web.

[#Swift](#) [#SwiftUI](#) [#SwiftWasm](#) [#Tokamak](#)



2019 – 2021 Orbe for Pronote

An app to see your schedule, grades, and homework, intended for high school students and their parents.

Was available on iOS, watchOS, macOS.

[#Swift](#) [#SwiftUI](#) [#UIKit](#) [#AppKit](#) [#JavaScript](#)



2018 SnowHex

A hex editor with syntax highlighting, to help understanding some binary formats, such as GIF

[#Java](#) [#Swing](#) [#Maven](#) [#GIF](#) [#Hex](#)

