Jan Liam Verter

I've been interested in compilers and programming languages for over 7 years, my whole Master's curriculum was focused on the implementation of compilers, interpreters, and PL theory. Aside from that, I have been writing code for over 10 years.

PERSONAL PROJECTS

All of my projects are on my [GitHub](), here are a few of my favourite ones.

- [Small Relational PL](), [Small Theorem Prover inspired by Prolog]() and [Small Automated Theorem Prover for FOL]()
- [Small Haskell-like PL]()—My master's thesis (global inference, higher-rank polymorphism, type classes, and higher-kinded types)
- [Lambdulus]()—My bachelor's thesis—a λ-calculus evaluator (a teaching tool for my students). I have also co-published a [paper]() about it together with my advisor.

MAIN FOCUSES AND INTERESTS:

- functional, logic, and other **programming paradigms**
- **type systems**, **logic**, type theory, and **programming language theory**
- compilers and **design and implementation of programming languages**
- syntactic analysis

EDUCATION

- 2019 - 2022 at FIT CTU in Prague
  Master's Degree from Systems Programming
- 2015 - 2019 at FIT CTU in Prague
  Bachelor's Degree from Knowledge Engineering

EXPERIENCE

- 2021 - 2023 **Researcher** at FIT CTU in Prague
  Functional Languages and **Type Systems** implementation
- 2019 - 2024 **Teaching Assistant** at FIT CTU in Prague
  Various courses focused on **programming paradigms** and **programming languages**
- 2018 Frontend developer at CN Group CZ s.r.o.
- 2017 - 2018 Backend developer at ICT FIT CTU in Prague
- 2016 Frontend developer at GoodData (summer internship)
- 2016 - 2017 Frontend developer at VIC CTU in Prague
- 2013 - 2015 Smart Home System developer at Allcomp a.s.