

Christian Kjær Laustsen

about

ckl@codetalk.io
https://codetalk.io
github/tehnix
in://christian-kjaer-laustsen

languages

••••• Danish
••••• English
•• German

programming

Haskell, Rust
TypeScript/JavaScript,
Elm, CSS & HTML,
Bash, Python
VimL, PHP, Java,
AWS CloudFormation,
Puppet, Chef,
GraphQL, REST

volunteering

Tutor at DTU

**Head of student council
for EINet at DTU**

Member of the Study
Board for DTU Compute

**Board member of
Hegnet and volunteer at
DTU**

Sat on The Joint Council
of PF at DTU

introduction

With a long history in software development I am quick to dive into new topics and like to keep myself up-to-date, occasionally blogging on codetalk.io. I'm able to keep the balance between deep focus on my work, and upholding many responsibilities at the same time. When working with others, I put emphasis on the output and well-being of the whole team. I have built up a healthy habit of writing documentation, as seen by my projects on GitHub, even when they are only for myself. I love automating things, be it in the form of custom scripts, CloudFormation, CI/CD, etc.

My main interests include compilers/type systems, programming languages, automation, teaching, haskell, devops, and always exploring more!

education

- 2016–2018 **M.Sc. in Telecommunication** Technical University of Denmark (DTU)
Master thesis titled *"Exploring the use of purely functional programming languages for offloading of mobile computations"*.
- 2017 **Exchange Program** Korean Advanced Institute of Science and Technology (KAIST)
One-year exchange in South Korea, where I focused on mobile computing, programming language theory, compiler construction, and started my thesis work.
- 2012–2015 **B.Sc. in IT & Communications Technology** Technical University of Denmark (DTU)
Bachelor thesis titled *"Mobile Network Controllable Electronic Devices using Raspberry Pis"*.

experience

- 2018–Present **Director of Development** blackbird, Copenhagen
Responsible for the growth and continued development of the blackbird team as well as the blackbird IoT hardware, AWS backend, frontend applications, and Machine Learning initiatives.
While still being a core contributing member of the team, I transformed the team from having little-to-no overview of tasks, projects, issues, etc, to a structured workflow. This allowed the whole team to be able to collaborate smoothly, building up on each others' contributions, through knowledge-sharing, code reviewing, etc.
- Full-stack Engineer** blackbird, Copenhagen
Developing IoT software and hardware solutions targeting automated production lines, along with providing technical expertise for custom tailored client projects. In my role I also acted as the link between the consultancy aspect of blackbirds' parent company emendo, and the Software Engineering aspect in blackbird.

relevant courses

Technology, Economics,
Management and
Organization
**Knowledge-based
Entrepreneurship**
Compiler Construction
Compiler Design
Telecommunication
Services
Graph Theory
Coding in
Communication Systems
**Introduction to Mobile
Communication**
Cryptology
**FPGA design for
Communication
systems**
Algorithms and Data
Structures
**Theory of Programming
Language**
Logical Systems and
Logic Programming
Digital Electronics
Mobile and Pervasive
Computing for
Knowledge Services
**Functional
Programming**
Mobile Computing and
Applications
**Social graphs and
interactions**
Lean User Experience
Design

2015–Present	Founder	codetalk, Copenhagen codetalk is a self-owned software company, focused on creating websites and programs, along with consulting on ideas, technical decisions, and how to re- alize them for specific businesses.
2015–2017	IT Consultant	hvisk, Copenhagen IT consultant at the jewelry company hvisk, via codetalk. Initially advising on decisions regarding the tech-stack, feasibility of ideas and implementation. Expanded to working with the web shop, developing an in- house stock system with automated ordering, and implementing internal tools to ease the job of employees, along with data extraction and manipulation.
2015–2017	IT Support Coordinator	Technical University of Denmark (DTU), Kongens Lyngby Coordinated the IT support at DTU, and made sure the team was running func- tionally: answering tickets, delegating responsibilities and managing the sup- porters. This also involved hiring new supporters, managing the recruitment process, and holding a yearly introductory talk for new undergraduates.
2013–2015	IT Supporter	Technical University of Denmark (DTU), Kongens Lyngby Provided support online and on campus: setting up various IT related projects, managing terminals in the data bars, and other areas of maintenance. Also responsible for the setup and support for the danish championship in program- ming.
Feb–Jul 2015	Teaching Assistant	Technical University of Denmark (DTU), Kongens Lyngby As a TA in an introductory course on MatLab and Python programming, the work involved helping students during group exercises, and grading their ex- ams and assignments.
Feb–Dec 2012	Developer	Shopbox, Copenhagen Developed the Shopbox daily-deals platform and infrastructure. This involved working on the frontend and the backend, while also participating in further developing the concept and idea behind Shopbox as it matured.
2011–2012	Developer	SharksMedia, Vejle General web development, with the responsibility for several websites and webshops. The work involved both direct and indirect client contact, for new and continued development of their websites.

interesting projects

The following is an extract of a few of the many project to be found on my GitHub profile.

SpaceNeovim

[spaceneovim.codetalk.io](#)

Spacemacs for Neovim. SpaceNeovim is a distribution for Neovim, bringing discoverable
keybindings, crowd-shared configuration and much more.

C-- Interpreter

[github.com/tehnix/cminusminus-compiler](#)

Step-through debug interpreter for the C-- language, a subset of C.

SmartOrders

[github.com/tehnix/smartorders](#)

Android application to showcase using BLE communication between a host and multiple
client devices, for restaurant ordering.

Copy-paste LLVM pass

[github.com/tehnix/copy-paste-llvm-pass](#)

Proof of concept LLVM pass for detecting copy-paste errors.

RF+1

[github.com/tehnix/rfplusone-app](#)

Cross-platform mobile application developed for Roskilde Festival with DTU, allowing peo-
ple to connect to each other and find people to attend concerts with.