

# 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

## 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	<b>Founder</b>	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	<b>IT Consultant</b>	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	<b>IT Support Coordinator</b>	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	<b>IT Supporter</b>	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	<b>Teaching Assistant</b>	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	<b>Developer</b>	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	<b>Developer</b>	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](https://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](https://github.com/tehnix/cminusminus-compiler)

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

### SmartOrders

[github.com/tehnix/smartorders](https://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](https://github.com/tehnix/copy-paste-llvm-pass)

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

### RF+1

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

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