

Christian Kjær Laustsen

about

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

languages

••••• Danish
••••• English
•• German
• Japanese
• Korean

programming

Haskell
Python, Java,
JavaScript, Elm,
PHP, Bash, F#,
VHDL, C,
VimL, Ruby
Puppet, Chef,
CSS & HTML

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

relevant courses

Technology, Economics,
Management and
Organization
Knowledge-based
Entrepreneurship
Compiler Construction
Compiler Design
Telecommunication
Services

brief introduction

With a long history in software development—occasionally blogging on codetalk.io—I’m quick to dive into new topics. This means I can work with a laser focus for long periods of time. I am a team player, and have built up a healthy habit of writing documentation, as seen by my projects on GitHub, even when they are just for myself. Finally, I love automating things, be it in the form of shell scripts, Puppet/Chef, AWS OpsWorks or something else entirely.

Interests include compilers, type systems, automation, teaching, haskell, security, devops, functional programming, telecommunication, network, distributed computing, and much more!

education

2016–2018 **M.Sc. in Telecommunication** Technical University of Denmark
Thesis titled *Exploring the use of purely functional programming languages for offloading of mobile computations*

Feb–Dec 2017 **Exchange** Korean Advanced Institute of Science and Technology (KAIST)
A year on exchange in South Korea, at KAIST

2012–2015 **B.Sc. in IT & Communications Technology** Technical University of Denmark
Thesis titled *Mobile Network Controllable Electronic Devices using Raspberry Pis*

experience

2015–Present **Founder** [codetalk](https://codetalk.io), Copenhagen
Consulting company with expertise in a wide array of technical subjects. [codetalk](https://codetalk.io) does various things, from making websites and programs, to consulting on ideas involving technical decisions and how to make them work for the specific business.

2015–2017 **Technical Consultant** [hvisk](https://hvisk.com), Copenhagen
Part-time consultant, initially advising on decisions regarding the technology stack, feasibility of ideas and outlining how to implement them. Later on, this expanded to working with a large part of the web shop, developing an in-house stock system with automatic ordering and implementing technical tools to ease the job of the other employees, along with data/report extraction and manipulation.

2015–2017 **IT Support Coordinator** Technical University of Denmark, Kongens Lyngby
Coordinate the supporters providing IT support at DTU, and make sure that the support is running functionally, answering tickets, delegating responsibilities and managing the supporters. This also involved hiring new supporters, setting up the whole recruitment process from job posting, interviews, deliberation and hiring. Additionally, each year I held an introductory talk for the new students about IT at DTU.

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

2013–2015	IT Supporter	Technical University of Denmark, Kongens Lyngby
	The work involved providing support online and on campus; set up various IT related projects; manage terminals/computers in the data bars, and other general maintenance areas. Also responsible for the setup and support for DM (the danish championship) in programming.	
Feb–Jul 2015	Teching Assistant	Technical University of Denmark, Kongens Lyngby
	As a TA in an introductory course on programming, using either MatLab or Python, the work involved helping the students during group exercises, and grade their final exam assignments.	
Feb–Dec 2012	Developer	Shopbox, Copenhagen
	Was responsible for developing the actual product and software infrastructure for Shopbox. 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 sole responsible for several websites and webshops. The work involved both direct and indirect client contact, to tackle problems and needs for their sites.	

interesting projects

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	
SpaceNeovim	spaceneovim.codetalk.io
SpaceNeovim is Spacemacs for Neovim. If you are unfamiliar with Spacemacs, you can read more about the motivation behind that on their website.	
RF+1	github.com/tehnix/rfplusone-app
Cross-platform mobile application developed for Roskilde Festival (at DTU), allowing people to connect to each other and find people to attend concerts with.	
CRED	github.com/tehnix/cred-server
cred (Connected Reactive Electronic Devices), enables you to connect your electronic devices, in a way so that they can communicate with each other and react on events happening in the network. It also consists of two other parts: cred-web and cred-client	