

# Christian Kjær Laustsen

## about

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## languages

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

## programming

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

## relevant courses

Cryptology  
**Compiler Design**  
Compiler Construction  
**Graph Theory**  
Telecommunication  
Services  
**Introduction to Mobile  
Communication**  
Coding in  
Communication Systems  
**FPGA design for  
Communication  
systems**  
Algorithms and Data  
Structures  
**Theory of Programming  
Language**

## brief introduction

I have a long history in software development, and occasionally blog on [codetalk.io](https://codetalk.io). I'm quick to dive into new topics, and can work with laser focus on things for long periods of time. I am a team player, and I am also very keen on 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, haskell, security, devops, functional programming, telecommunication, network, distributed computing, and much more!

## education

- |              |  |   |
|--------------|--|---|
| 2016–2018    | <b>M.Sc. in Telecommunication</b><br>Finishing early February<br>Thesis titled <i>Exploring the use of purely functional programming languages for offloading of mobile computations</i> | Technical University of Denmark                             |
| Feb–Dec 2017 | <b>Exchange</b><br>A year on exchange in South Korea, at KAIST   | Korean Advanced Institute of Science and Technology (KAIST) |
| 2012–2015    | <b>B.Sc. in IT &amp; Communications Technology</b><br>Thesis titled <i>Mobile Network Controllable Electronic Devices using Raspberry Pis</i>  | Technical University of Denmark                             |

## experience

- |              |   |   |
|--------------|---|---|
| 2015–Present | <b>Founder</b><br>Consulting company with expertise in a wide array of technical subjects. codetalk 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.   | codetalk, Copenhagen                            |
| 2015–2017    | <b>Technical Consultant</b><br>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.                   | hvisk, Copenhagen                               |
| 2015–2017    | <b>IT Support Coordinator</b><br>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. | Technical University of Denmark, Kongens Lyngby |

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  
  
**volunteering**  
 Tutor at DTU  
**Head of student council  
 for EInet at DTU**  
 Member of the Study  
 Board for DTU Compute  
**Board member of  
 Hegnet at DTU**  
 Sat on The Joint Council  
 of PF at DTU

2013–2015	<b>IT Supporter</b>	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	<b>Teching Assistant</b>	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	<b>Developer</b>	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	<b>Developer</b>	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

<b>C-- Interpreter</b>	<a href="https://github.com/tehnix/cminusminus-compiler">github.com/tehnix/cminusminus-compiler</a>
Step-through debug interpreter for the C-- language, a subset of C.	
<b>SmartOrders</b>	<a href="https://github.com/tehnix/smartorders">github.com/tehnix/smartorders</a>
Android application to showcase using BLE communication between a host and multiple client devices, for restaurant ordering.	
<b>Copy-paste LLVM pass</b>	<a href="https://github.com/tehnix/copy-paste-llvm-pass">github.com/tehnix/copy-paste-llvm-pass</a>
Toy LLVM pass for detecting copy-paste errors	
<b>SpaceNeovim</b>	<a href="https://spaceneovim.codetalk.io">spaceneovim.codetalk.io</a>
SpaceNeovim is Spacemacs for Neovim. If you are unfamiliar with Spacemacs, you can read more about the motivation behind that on their website.	
<b>RF+1</b>	<a href="https://github.com/tehnix/rfplusone-app">github.com/tehnix/rfplusone-app</a>
Cross-platform mobile application developed for Roskilde Festival (at DTU), allowing people to connect to each other and find people to attend concerts with.	
<b>CRED</b>	<a href="https://github.com/tehnix/cred-server">github.com/tehnix/cred-server</a>
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	