

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. 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 **M.Sc. in Telecommunication** Technical University of Denmark
Finishing early February
Thesis titled *Exploring the use of purely functional programming languages for offloading of mobile computations*
- 02-12 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, Copenhagen
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.
- 2015 - 2017 **Technical Consultant** hvisk, 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.

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 **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.
- 02-07 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.
- 02-12 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
 Toy 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