

# Tom Sydney Kerckhove

TECHNICAL LEADER WITH OVER A DECADE OF EXPERIENCE

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This is a generic CV and as such it is probably not the one you are looking for. Please find more specific CVs at <https://cs-syd.eu/cv>.

## EXPERIENCE

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### Technical Leader and Engineering Manager

*Remote*

CS KERCKHOVE

*2016-12 - present*

- **Research and Development Engineer**
  - Research into an inter-bank interchange format for financial contracts.
- **Technical Director and Chief Technology Officer**
  - Led a team of leaders, totalling over 40 engineers
- **Technical Leader and Senior Engineering Manager - Feeld**
  - Grew the team from 3 to 9 people in 6 months
  - Increased engineering velocity from multi-month release cycles to sub-week.
  - Reduced incidents from multiple per week to none for months.
- **Technical Leader and Engineering Manager - FP Complete**
  - Led the year-long Cardano audit project covering multiple domains on a security sensitive project, delivering monthly reports
  - Led the Hedera audit project of a fourth-generation crypto currency.
  - Defined new Quality Assurance standards for ongoing customer and internal work
  - Engineering education via webinars, blog posts, and open source activities
- **Examinator - HSR**
  - Bachelor thesis: OpenAPI3 Bindings for Stripe
  - Bachelor thesis: Codepanorama
  - Master thesis: Formally verified Separation Kernel
- **Technical Writer - Human Readable Magazine**
  - Dealing with Friday the 13th - Issue 2
  - An Introduction to Property-based testing - Issue 3
- **Engineering Consulting**
  - Tyler Supervision, Niteo, Relu, E-Bot ...
- **Full-stack developer**
  - Built the site responsible for over 300K in yearly revenue, used by the parents of over 600 students for PAESMOL

### Software Engineering Intern

*London, UK*

FACEBOOK

*2016-06 - 2016-09*

- In-house EDSL for type-safe graph traversal queries as part of a billion-queries-per-second service
- Improved the safety of the abuse detection system to prevent millions of errors per second

### Software Engineering Intern

*London, UK*

GOOGLE

*2015-06 - 2015-09*

- Sped up online reconfiguration of a global service by 100x.

## EDUCATION

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### Master of Engineering at ETH Zürich

*2016-09-21 - 2017-09-07*

FOCUS: PROGRAM ANALYSIS AND SYNTHESIS

### Erasmus Exchange at ETH Zürich

*2015-09-14 - 2016-06-03*

WON THE ONLY NOMINATION

### Bachelor of Science at KU Leuven

*2012-09-25 - 2015-06-19*

FOCUS: ABSTRACT MATHEMATICS