

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

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

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