

Education

University of Leuven - Faculty of Engineering Science

Master of Engineering Science: Computer Science

Sep. 2013 - Sep. 2017

- Specialization: Artificial Intelligence
- Thesis topic: Integrating cryptocurrencies with the Interledger protocol

Bachelor of Engineering Science

Sep. 2010 - Jun. 2016

- Specialization: Computer Science, Electrical Engineering

A.I. Class by Sebastian Thrun and Peter Norvig

Advanced Track of Introduction to Artificial Intelligence

Sep. 2011 - Dec. 2011

Work Experience

Blockstream

Core Tech Engineer

Aug. 2018 - present

Banco Santander Innovation Lab

Blockchain Engineer

Oct. 2016 - Jun. 2018

- Evaluating different blockchain platforms and products for potential applications and developing proof-of-concepts.
- Designing and developing a cross-bank multi-currency payment and settlement system based on Ethereum.

BeSt Designs

Web Developer

2007 - 2012

Open Source

github.com/stevenroose

Pointy Castle

github.com/pointycastle

Cryptography library for Dart developers

- Cryptographic algorithms ported from Bouncy Castle or other sources.
- Reflection-based registry system that allows users to use custom implementations.

Dartcoin

github.com/dartcoin

Bitcoin implementation in the Dart language

- Implementation of core Bitcoin protocol primitives with binary data serialization and parsing.
- Transaction signing and block validation.

Social Experience

Vlaamse Technishe Kring, VTK Leuven

Student Representative & Volunteer

Sep. 2015 - Aug. 2016

- Member of Board of Directors
 - * General decision-making about all activities and policies.
 - * Financial planning and evaluation of internal and external activities.
- Vice-Coordinator Education
 - * Representing the students of the engineering faculty in different faculty meetings.
 - * Organizing student representation for all education within the faculty.

Scouts & Gidsen Schilde, Scouting

Group Responsible

Sep. 2012 - Aug. 2015

- Managing the day-to-day organization and motivating volunteers.
- Supervising the work and activities of leaders and resolving difficulties or conflicts.
- Communicating with the municipality, insurance providers, parents and the public.

Leader

Sep. 2010 - Aug. 2015

- Preparing both entertainment and educational activities for children from 6 to 18 years old.
- Working together with other leaders to independently maintain our infrastructure and material.

Youth Climate Conference Belgium

Antwerp

Co-organisier

Sep. 12, 2009

- Educating youth about the issues of climate change and global warming.
- Polling for initiatives and opinions to represent Belgium at the European Youth Climate Conference.

University of Leuven

Student Representative

- Standing Education Commission Computer Science *Sep. 2011 - Aug. 2016*
- Council of the Faculty of Engineering Science *Sep. 2012 - Aug. 2016*
- Faculty Standing Education Commission *Sep. 2015 - Aug. 2016*
- Student Services Council KU Leuven *Sep. 2015 - Aug. 2016*
- General Assembly of Student Council KU Leuven (Stura KU Leuven) *Sep. 2015 - Aug. 2016*
- General Assembly of Flemish Student Association (VVS) *Sep. 2015 - Aug. 2016*

Skills

Languages: Dutch, English (fluent), French, Portuguese, Spanish (understanding)

Programming languages: Rust, Go, C++, Dart, Java, Python, Haskell, Prolog