Steven Roose

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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

Banco Santander Innovation Lab

Blockchain Engineer　　　　　　　　　　*Oct. 2016 - present*

- 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*

- Building websites featuring photo albums, contact forms, news updates, ... using basic web technology such as PHP, JavaScript, HTML and CSS.
- Integrating websites with existing CMS technologies and extending the WordPress functionality with a custom plugin.
- Utilizing the basic development process of extreme programming and feedback cycles with customers.

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-organiser *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, Spanish (understanding)

Programming languages: Go, Dart, Java, Python, JavaScript, PHP, Haskell, Prolog