Steven Roose

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Education

University of Leuven - Faculty of Engineering Science

Bachelor of Engineering Science — *Sep. 2010 - present*

– Specialization: Computer Science, Electrical Engineering

Master of Engineering Science: Computer Science — *Sep. 2013 - present*

– Specialization: Artificial Intelligence

A.I. Class by Sebastian Thrun and Peter Norvig

Advanced Track of Introduction to Artificial Intelligence — *Sep. 2011 - Dec. 2011*

Coursera

Online courses

– Software Engineering for SaaS — *Feb. 2012 - May. 2012*
  University of California, Berkeley

– Introduction to Sustainability — *Sep. 2012 - Nov. 2012*
  University of Illinois at Urbana-Champaign

– Energy, the Environment, and Our Future — *Jan. 2014 - Mar. 2014*
  The Pennsylvania State University

Work Experience

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 - present*
- Member of Board of Directors
  * General decision-making about all activities and policies.
  * Financial planning and evaluation of internal and external activities.
- 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 - present*
- Council of the Faculty of Engineering Science   *Sep. 2012 - present*
- Faculty Standing Education Commission   *Sep. 2015 - present*
- Student Services Council KU Leuven   *Sep. 2015 - present*
- Student Services Council KU Leuven @ Leuven   *Sep. 2015 - present*
- General Meeting of Student Council KU Leuven (Stura KU Leuven)   *Sep. 2015 - present*
- General Meeting of Flemish Student Association (VVS)   *Sep. 2015 - present*

Skills

Languages: Dutch, English, French (understanding)

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

Operating systems: Debian, Ubuntu, Arch Linux, Fedora, OS X