Steven Roose

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Education

University of Leuven - Faculty of Engineering Science

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

  – Specialization: Artificial Intelligence

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*

Coursera

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

  – 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

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 - 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*
- Student Services Council KU Leuven, Campus 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, French (understanding)

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