

## 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 - present*

- 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

*Online courses*

- Energy, the Environment, and Our Future  
*The Pennsylvania State University*

*Jan. 2014 - Mar. 2014*

- Software Engineering for SaaS  
*University of California, Berkeley*

*Feb. 2012 - May. 2012*

- Introduction to Sustainability  
*University of Illinois at Urbana-Champaign*

*Sep. 2012 - Nov. 2012*

## 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](https://github.com/stevenroose)

### Pointy Castle

[github.com/pointycastle](https://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](https://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.
- 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 - 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