

Simon Bos

3000 Leuven
Belgium
☎ +32 475 30 96 71
✉ simonbos9@gmail.com
🌐 simonbos.be
29/06/1995



Education

- 2018-2019 **Master of Artificial Intelligence**, *KU Leuven*, Leuven, *Summa Cum Laude*.
Specialization in Big Data Analytics
Thesis at research group COSIC: ‘Secure Machine Learning for Privacy Preserving Genetic Disease Identification’.
- 2016-2018 **Master of Engineering: Computer Science**, *KU Leuven*, Leuven, *Cum Laude*.
Specialization in Distributed Systems
Thesis at research group DistriNet: ‘Patch it like it’s hot: Exploring online patching practices’.
- 2013-2016 **Bachelor of Engineering**, *KU Leuven*, Leuven, *Cum Laude*.
Major in Computer Science, Minor in Electrical Engineering
- 2007-2013 **Secondary School Diploma**, *Sint-Andreaslyceum*, Bruges, 85%.
Academic secondary school track with an emphasis on science and mathematics including 4 years of Latin

Experience

Professional

- 2019-present **Associate Architect**, *Telenet*, Mechelen.
Full-time employment at the DICE (data innovation center) team of Telenet.
- 2017 **Summer Internship**, *Secure Code Warrior*, Bruges.
As part of my master in Computer Science at the KU Leuven, I gained experience as a summer intern at Secure Code Warrior: an exiting, international AppSec start-up. I researched security vulnerabilities and best practices in Flask (a microframework for Python).

Voluntary

- 2017-2018 **President**, *Lerkeveld Praesidium*, Leuven.
As president of the student association Lerkeveld, my responsibility was the total functioning of the organization:
 - Budget management.
 - Presiding over meetings with different teams within the organization.
 - Problem management.
 - Communication between students and managing board of the student residence.I managed a group of 7 teams, each consisting of 4-10 people who were in charge of organizing events for 150 members and 100 honorary members.
- 2015-present **IT Representative**, *Lerkeveld Praesidium*, Leuven.
IT member from 2015-2018, IT group coordinator from 2018-2019. As member of the team IT of the student association Lerkeveld, my main responsibilities are:
 - Assisting our student residence with the IT infrastructure.
 - Developing and maintaining a website (<https://lerkies.studentenweb.org>).Our open source projects are visible on <https://github.com/lerkeveld>.

Honors and awards

- 2019 **Third place**, *Flemish Programming Contest*.
Third place in category for master's students, doctoral students, graduates and professionals
- 2018 **Finalist**, *HashCode 2018*, Google.
Invited to the Google Dublin office to participate in the finals.
- 2017 **Winner**, *Cyber Security Challenge Belgium*, NVISO.
Winner of the 2017 Finals
- 2015-2017 **Finalist**, *Cyber Security Challenge Belgium*, NVISO.
Thrice finalist, winner of the 2016 Qualifying Round
- 2014 **Runner-up**, *Alumni Engineers Price*, KU Leuven.
The Alumni Engineers Price is a price for a design task for teams of bachelor students of the Engineering Science faculty. My team developed a computer vision application for detecting and registering people passing by.

Technical skills

Programming languages

- Python **Expert**, significant problem-solving and web development (Flask) experience
- Java **Expert**, significant hands-on experience
- R **Experienced**, good hands-on experience
- Other MATLAB, C, C++, Node.js, JavaScript, Haskell, Prolog, Scala, ECLiPSe, some PHP and Julia

Relevant skills

- Security Passionate about software security, capture-the-flag player
- Competitive programming Competed in online, local and country-wide contests such as Google Code Jam, Google Hash Code and the Flemish Programming Contest
- Challenges Enthusiastic about mathematical challenges such as Project Euler and other challenges like the Cryptopals Crypto Challenges
- Other Version control systems (git), L^AT_EX, HTML & CSS, system administration, UNIX/Linux

Courses

- 2017 SANS SEC560: Network Penetration Testing and Ethical Hacking
- 2017 Defensive Security: Open Source Defensive Security

Language Proficiency

- Dutch** Native proficiency
- English** Professional working proficiency
- French** Limited working proficiency
- Bulgarian** Basic

General Interests

- Sports All kinds of sports: volleyball (in competition), running, frisbee, ping pong, football
- Cooking Trying out different kinds of food
- Movies Mostly science fiction
- Games Fan of typical old school strategy games such as Age of Mythology
- Favorite OS Kubuntu