

# Filip Schouwenaars

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## EXPERIENCE

### **Lecturer at Thomas More**

**September 2020 - Present**

Courses on data science, artificial intelligence, data management, and cloud infrastructure. Part-time.

### **Owner at Fliptech BV**

**Jun 2019 – Present**

Freelance work for startups in different technical roles. Responsibilities range from software design and development, over product and technical management to project and people management.

### **Machine Learning Engineer at Magics, Geel**

**Mar 2020 - Present**

Development and deployment of Python-based platform to manage AI-powered sensor nodes deployed to monitor industrial processes. Management of subcontractor projects.

### **Product Manager at Lynxcare, Leuven**

**Mar 2020 - May 2020**

Spec'ed out next iteration of an NLP-powered solution to turn medical unstructured text into annotated medical concepts ready for analysis.

### **CTO at SweepBright, Antwerp**

**Jun 2019 - Jan 2020**

Technical, project, and people management for a team of 6 developers working to make real estate agencies more productive and customer-centric. Stack in PHP (Laravel), JS (Node, React), Swift, Python.

### **South America**

**Oct 2018 - Apr 2019**

Sabbatical to travel through Bolivia, Peru, Ecuador, and Colombia.

### **DataCamp, Leuven**

**Sep 2014 – Sep 2018**

As the first employee, I assumed both technical and management roles to help grow the company to the world's leading player in online data science education with over 80 employees.

### **Engineering Lead**

**Apr 2018 - Sep 2018**

Improved and maintained DataCamp's automated grading and feedback generation systems.

### **VP of Engineering**

**Sep 2017 - Mar 2018**

Managed 7 engineering teams, ensuring the continuous shipping of high-quality software.

### **Engineering Lead**

**Sep 2015 - Aug 2017**

Managed a team of 5 engineers to conceive, build, and maintain infrastructure-heavy learning apps.

### **Software Engineer**

**Sep 2014 - Aug 2015**

Worked on the platform in various ways (web applications, infrastructure, automated grading software).

Authored 6 DataCamp courses in both Python and R, taken by over 2.8 million students to date.

### **R&D Intern at Technicolor, Edegem**

**Aug 2013 – Sep 2013**

Designed, executed, and analyzed 4G gateway performance measurements.

### **Private Tutor at Sagio, Leuven**

**Nov 2012 – Mar 2014**

Taught mathematics and statistics to university students majoring in economics.

### **R&D Intern at Egemin Automation, Zwijndrecht**

**Aug 2012 – Sep 2012**

Designed 3D computer vision system for logistics automation.

## SIDE PROJECTS

### **Soundscrapes - [www.soundscrapes.com](http://www.soundscrapes.com)**

**Jun 2019 – Present**

Discover your ideal festival summer through your Spotify activity. Uses the Python Django framework, backed by Redis, PostgreSQL, Celery.

## EDUCATION

### **KULeuven**

**2013 – 2014**

M.Sc. in Artificial Intelligence, option Engineering and Computer Science – summa cum laude (86%)

Additional management and finance courses at the Faculty of Economics and Business (75%)

Thesis: Kernel methods for music visualisation – 17/20

### **KULeuven**

**2011 – 2013**

M.Sc. in Electrical Engineering, Multimedia and Embedded Systems – magna cum laude (82%)

Exchange year at EPFL (Swiss Federal Institute of Technology) – 5.84/6

Thesis: Scene stitching in large scale mobile mapping – 16.6/20

### **KULeuven**

**2008 – 2011**

B.Sc. in Electrical Engineering, minor Mechanical Engineering – magna cum laude (79%)

## SKILLS

### **LANGUAGES**

Dutch	Native
English	Fluent (C2)
French	Fluent (C1)
Spanish	Fluent (C1)
German	Basic (B2)

### **PROGRAMMING**

Python (Flask, Django), JavaScript (NodeJS, React), Ruby on Rails  
R, Matlab, MySQL, PostgreSQL Bash  
Docker, Kubernetes, Terraform, Helm, Git, AWS, GCP, CircleCI, TravisCI  
C/C++, Java (including for Android), Prolog

### **OTHER**

Agile methodologies (Scrum and Kanban, including its ceremonies)  
People management (one-on-ones, performance reviews, hiring/firing)  
Improving development processes (CI/CD flows, knowledge sharing)  
Release management (preparation, deployment, communication)  
Technical management (authoring technical specs and roll-out plans, code reviews)  
Product management (authoring functional specs, lean thinking)

## OTHER

### **BOY SCOUTS**

Member for 14 years, leader for 4 years.

### **HOBBIES**

Reading non-fiction, running, hiking, backpacking, music.