

Sam Vermeulen

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Education

Master of Science in Computer Science Engineering

2015 - 2017: UGENT (UNIVERSITY GHENT)

Bachelor of Science in Computer Science

2011 - 2015: UGENT (UNIVERSITY GHENT)

Industrial Sciences

2005 - 2011: GTI BEVEREN

Experience

NGDATA - Professional Services

BIG DATA SOFTWARE CONSULTANT

- Integrating the NGDATA Customer Data platform in the customer environment (custom code)
- Assisting customers with new use cases / configurations / investigating possible opportunities
- Second line support for everything in the Hadoop stack that is used by the CDP

Ghent, Belgium

Sept 2017 - present

NGDATA - SmartVideo

SMARTVIDEO FULL STACK DEVELOPER AND EXPERT

- Responsible for the system of the SmartVideo product (personalised video system):
 - Render nodes written in Python (Dockerized)
 - Extracting required assets from AfterEffects with optionally minor adjustments
 - Central control system with database to manage the renders
 - Maintaining the webpages that contain the video-player
 - Maintaining the AWS setup
- For the systems above this includes:
 - Implementing further improvements and features
 - Configuring new projects or adjusting older configurations
 - Expert for solving complex issues
 - Optimising performance
 - Optimising AWS costs

Ghent, Belgium

Apr 2018 - present

Graphine

THESIS

- This company offers a reactive rendering system (virtual rendering) for high resolution textures.
- Thesis subject is covered by an NDA.

Ghent, Belgium

2016 - 2017

Amplidata (Western Digital Company)

INTERNSHIP

- Created a unified log overview for easy analysis of events using the Elastic ELK stack.
- Personal project created autonomously.

Ghent, Belgium

Summer 2016

Stora Enso Lumipaper

STUDENT JOB

- Production line worker.

Kallo, Belgium

Summer 2009 - 2015

Extracurricular Activity

Home Astrid

Ghent, Belgium

PRAESIDIUM: ICT

2016 - 2017

- Aiding with technical difficulties (mostly problems with VPN software or drivers).
- Created a more modern web page.
- Participating in meetings and organising activities for other residents.

Personal projects

MOST INTERESTING PROJECTS CREATED FOR MYSELF AND FRIENDS. GITHUB: [SAMVERMEULEN42](#)

- Server and android app that control window screens with many options.
- Android application for Chiro Verrebroek to manage the payment of drinks in a trusted environment.
- Inserting a video in a Visual Poi project by taking frames and inserting them in the save file.
- Twitch chat bot that interfaces to a test program.

Skills

Programming	Python, Java, C(++), Haskell, Bash
IT technologies	Hadoop stack, Amazon Web Services, FFMPEG, Elastic stack, Terraform
Languages	Dutch, English, French in a lesser degree
General	Distributed systems, security, machine learning, databases, networks