

## Personal Information:

Name: Koen Peters  
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## Profile:

I am a curious and ambitious data scientist, interested in solving complex problems in the fields of Operations Research and Humanitarian Logistics. I have a cheerful, can-do attitude and love working on project basis with cross-functional teams. My greatest strengths are synthesis, effective communication, and numeracy. I have an affinity for topics regarding logistics, education, and IT.

## Education:

### PhD Optimisation of Humanitarian Operations

March 2015 – present (expected 2023)

Tilburg University, Netherlands

### MSc Operations Research & Management Science

September 2013 – December 2014

Tilburg University, Netherlands

*Thesis: The Effective Use of Optimisation in Humanitarian Supply Chain Management: A Case Study at WFP [9.5/10]*

### BSc Econometrics and Operations Research

September 2010 – September 2013

Tilburg University, Netherlands

Achievements: Outreaching Honors Program (awarded to 50 students/year across all faculties)

*Thesis: Linear Programming Models for the Nonhomogeneous Dike-Optimisation Problem [8/10]*

## Working experience:

### Project Manager [Supply Chain Planning unit]

July 2017 – present

UN World Food Programme, Rome

Key responsibility is to manage three prioritised projects that support SC planning at WFP:

**Optimus** – an in-house developed tool and methodology that supports end-to-end programme and operations design. Optimus is actively being used to support the largest and most complex emergencies in WFP with advanced analytics, and is accessible through a web application. Resulting in over 30M USD savings every year.

**Quintiq** – a partnership with one of the largest supply chain optimisation software vendors. WFP is working with Quintiq to configure their MacroPlanner product to support WFP's global supply chain planning and S&OP.

**Palantir** – a partnership with a renowned vendor that specialises in data management and integration. WFP is working with Palantir to develop a data suite that automatically collects and integrates data from all of its key data repositories (e.g. WINGS, LESS, COMET, etc.) in order to automate high-value supply chain tools.

Other responsibilities include managing and recruiting staff, engaging with governments to explore optimisation opportunities for national food distribution systems, and supporting L3 operations with ad-hoc optimisation requests (e.g. Yemen, Syria).

### Consultant [Logistics / Supply Chain Development unit]

January 2015 – June 2017

UN World Food Programme, Rome

Key responsibilities were to develop and apply Optimus (see above), to coordinate the partnership with Quintiq and lead the development of its MacroPlanner product (see above), and to support top WFP operations with ad-hoc analytics.

### **Intern [Logistics Development unit]**

August 2014 – December 2014

UN World Food Programme, Rome

During this internship I developed the prototype for Optimus (see above), which is now actively being used to support the largest and most complex emergencies in WFP with advanced analytics.

### **Student assistant and advisor for the Outreaching Honours Program (0.3 FTE)**

August 2013 – August 2014

Tilburg University, Netherlands

My main task was to coordinate the communication between the program directors and the students that were enrolled in the Outreaching Honours Program. In addition, I supported the evaluation, redesign, acquisition, and promotion of various program components.

### **Data analyst (1 FTE)**

July 2013 – September 2013

CPB Netherlands Bureau for Economic Policy Analysis

My main task was to collect and analyse all available data regarding primary and secondary education in the Netherlands. This data we used to write a recommendation to the Dutch government with regards to educational policies and the expected effects thereof. The document (written in Dutch) can be found at: <http://www.cpb.nl/publicatie/arbeidsmarkt-leraren-aanpassingsmechanismen-en-aangrijpingspunten-voor-beleid>.

### **Skills:**

Coding: Python, Java, SQL, VBA, Matlab, Stata, AIMMS, and LaTeX.

Languages: Dutch (native), English (fluent), French (basic), German (basic).

### **Extracurricular activities:**

#### **TEDxTalk**

13 February 2014

TEDxTilburgUniversity, Netherlands

I won a student pitch competition and was allowed to give a speech on personal development during TEDxTilburgUniversity. Link: <https://www.youtube.com/watch?v=tXwMg2NsqnY>

#### **Co-founder and trainer**

January 2013 – December 2014

Keygro, Netherlands

We provide a wide assortment of workshops to secondary school students. We aim to challenge gymnasium students and to prepare them for life at University. Our trainings include presentation skills, teambuilding, and exploring options after secondary school. All of our profits are donated to charities that benefit education in poor countries. My tasks are to acquire new contacts and to train new trainers.

### **Certificates**

**Krauthammer Leadership and Management Training**

**Rotary Youth Leadership Awards**

**United Netherlands Public Speaking Program**

### **Awards**

**Won the Best Humanitarian Innovation award by the Dutch Coalition for Humanitarian Innovation (DCHI) with the Optimus project**

**Won the Franz Edelman Award for Achievement in Advanced Analytics, Operations Research and Management Science**