Thijs Scheepers MSc

Contact

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Looking for

A significant real-world problem to solve with software; A brilliant group of people who love learning from each other; An opportunity to apply artificial intelligence tangibly.

Expertise

Machine learning, Natural language processing, Full-stack development, Product & project management, Backend development, iOS app development, DevOps, Product prototyping, Technical leadership, Entrepreneurial leadership, Mentorship, Coaching

Programming & markup languages

Python, Swift, Objective-C, PHP, TypeScript, SQL, Latex, HTML, CSS, *and limited experience with* Scala, Java, Octave, Haskell, C, Ruby

Technologies

TensorFlow, nltk, numpy, scikit-learn, Rx, Git, React, UIKit, Linux, Laravel, MySQL, nginx, Redis, Heroku, DigitalOcean, *and limited experience with* Theano, Spark, SwiftUI, Vue.js, Ruby on Rails, Docker, AWS, Google Cloud Platform

Languages

Dutch — Native
English — C2 *full proficiency*
German — A1 *very basic*

Interests and hobbies

Design, Economics, Sailing, Squashing, Swimming, Underwater hockey, Skiing, Running, Indi concerts

Miscellaneous

Lives in Amsterdam NL
Born in 1991
Has a driver's license
Willing to relocate or work remotely
Dutch and EU citizen
Currently no US work permit

Entrepreneurship

2017 – now — **Product and Technical Lead, Co-founder** Keeping

Dutch time-tracking SaaS. Set up by me as a side-business for Label305. Keeping has a responsive web app, native apps for Android, iPhone, and browser add-ons for Chrome, Firefox. The product is profitable and serves over 25.000 Dutch businesses. I lead the team designing, engineering, and promoting Keeping. I wrote a significant chunk of the backend, the public API, and the entire iPhone app.

2010 – now — **Managing Partner, Software Engineer, Co-founder** Label305

A software agency specializing in helping businesses by creating their next user-friendly software product. I co-founded Label305 in 2010 with three friends from the University of Twente without external funding. It has since grown to become a healthy, profitable business of 20 people with offices in Enschede and Amsterdam.

Together with one of my business partners, I am responsible for the general management of Label305. I set up business practices and an HR & recruitment process. I was also extensively involved with creating our technical workflows, such as code review and continuous deployment. Aside from management, I worked on many of our projects as the lead iOS, backend, or DevOps engineer. I also review code regularly and mentor to some of our engineers.

One of the projects I worked on in 2016 was Fairlingo, for which I built an auto-complete feature for assisting human translators using neural machine translation [2]. I tested it with professional translators in usability testing sessions. Another project under my responsibility was our joint venture: Clickin, a social app that set out to reduce loneliness. We described it as Tinder, not for dating but activities and gaining new friends. I led the team and wrote both the backend and iPhone app in 2015.

2006 – 2010 — **Freelance Web Developer**

Built websites for acquaintances, small businesses, and part-time entrepreneurs.

Education

2015 – 2017 — **MSc Artificial Intelligence** University of Amsterdam

Graduated cum laude, i.e. with honour (Weighted average: 8.5/10, GPA: 3.95/4.00)
Focus on Natural Language Processing and Information Retrieval
Presented and published a full paper [1] at WWW '18, a top-tier computer science conference. Cited multiple times in the literature. PhD position offered.
Thesis: *Improving the Compositionality of Word Embeddings* (Grade: 8.5/A+)
Project: *Interactive Neural Translation Assistance for Human Translators* [2] (Grade: 9/A+)

2010 – 2014 — **BSc Computer Science** University of Twente

Minored in Art & Media at the ArtEZ University of the Arts
Final project: *HTML5 GUI library for Haskell programs* (Grade: 9/A+)
Final paper: *Virtualization and Containerization of Application Infrastructure: A Comparison* (Grade: 9/A+ and cited dozens of times in the literature)
Best Paper Award at the 21st Twente Student Conference on IT

2003 – 2010 — **VWO Science & Technology** Regius College Schagen

Final project: *Starry app, celestial mechanics in your pocket* (Grade: 9/A+, 50.000 users)

Courses

2020 — *Probabilistic Graphical Models* Stanford University

2020 — *Mathematics for Machine Learning* Imperial College London

2020 — *Big Data Analysis with Scala and Spark* École Polytechnique Fédérale de Lausanne

Papers

[1] Scheepers, Kanoulas, Gavves. 2018. *"Improving Word Embedding Compositionality using Lexicographic Definitions*." The 27th International Conference on the World Wide Web, ACM.

[2] Scheepers, Schulz. 2016. "*Interactive Neural Translation Assistance for Human Translators*."