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 driving licence
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 crafting 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."*