

Etienne Bruines

Full-Stack Web-/Software-Developer
*Specialised in Go and
Artificial Intelligence*



About me

My name is Etienne Bruines (22 years old). I'm a graduate in Artificial Intelligence who has been working as a freelancer for the past six years. Been happily married for about three years now, and actively engaged in voluntary work (about 20-24 hours a week).

Skills

- Back-end languages: **Go, PHP, C#/.NET, Java, Python, C/C++, ...**
- Front-end languages: **HTML, CSS, JS (+ variations)**
- Databases: **MySQL, MSSQL, NoSQL (Cassandra, Aerospike, BoltDB, ...)**
- Approaches: **OO, REST, TDD, CRUD**
- DevOps: **Linux, Docker, rkt, Orchestration, Microservices, High Availability**
- Artificial Intelligence: **Machine Learning, Data Mining, A/B-testing, Recommender Systems, Statistical Analysis, BCI**

Languages

- English: **C1 / fluent**
- Dutch: **C2 / mothertongue**
- German: **B1 / productive**

Work Experience

EngoEngine – software-developer (voluntary work)

Sept. 2015 — Now

Engo is where I put most of my spare programming time, as part of the EngoEngine team. It is a game-engine written in Go, aimed to make creating games easier. It does so by using the programming language Go, as well as allowing easy cross-platform builds (Desktop, Browser, and soon mobile). My tasks include organizing issues, creating pull requests to add new features / bugfixes and actively reviewing other PRs. In doing so, I'm also actively engaged in discussions with team members and users of the engine, to keep improving the engine. We're currently a small team of 4-6 active developers.

HuperWebs – self-employed

Jan. 2010 — Oct. 2015

In 2010 I started with my own company called HuperWebs, which was focused on creating and maintaining websites. Doing this, I have had extensive hands-on experience with a lot of different environments (both Linux and Windows servers), using different languages for webservice (ASP.NET, Java, Python, Go, PHP, C), as well as the languages involved in the actual websites (HTML, CSS, Javascript). Unfortunately, in October 2015 I had to stop due to the excessive time my education required of me.

Radboud University Nijmegen – web-developer

Sept. 2015 — Aug. 2016

The Computer Science department asked me to develop a web-interface to work around the disliked Blackboard environment. Requirements were: usable from mobile phone, integration with existing student credentials (university-wide), and it should store/retrieve any data to/from the university Blackboard environment. The interface allowed for additional features Blackboard does not (such as attendance, code-highlighting in feedback, and more).

Radboud University Nijmegen – teaching assistant

Sept. 2013 — Aug. 2015

For several years, I have been assisting the teachers of the course Imperative Programming. My job was to verify the assignments students handed in, and give feedback regarding code quality and correctness. This course taught the basics of C/C++ programming, although most of the principles were also applicable to other imperative languages.

Hyperleap – database-developer

Sept. 2014 — Jan. 2015

As part of my Artificial Intelligence course, I was working for Hyperleap for a few months, improving their database (MySQL) structure and highly optimizing their queries, as well as implement some methods to filter out duplicate / incorrect information — speed was key here.

KMC Afbouwmaterialen – sales-employee, web-developer

Sept. 2012 — Aug. 2013

As a part-time employee, I was responsible for helping customers within the wholesale business. My job was also to ensure the website was fully-functioning, up-to-date and accessible to a lot of people. I also had to ensure the website was able to print pricing lists in PDF format, with different prices and layouts for each customer. This system I had to create from scratch.

Education History

Artificial Intelligence – Radboud University Nijmegen

Sept. 2012 — Aug. 2016

This brought me up-to-speed on the current state of artificial intelligence in research. Several topics were part of the curriculum: robotics, visual recognition, machine learning, data mining, search, planning — and many more.

For my BA Thesis, I looked at the Cold-Start problem within a Recommendation System: making predictions for new items, new users, and a combination of the two. I applied this to the sales history of the Rossmann stores.

Computer Science – Radboud University Nijmegen

Sept. 2012 — Aug. 2014

Alongside my Artificial Intelligence curriculum, I also followed the (slightly overlapping) curriculum at the Computer Science department. This gave me additional knowledge on Requirements Engineering, mathematics, security (basics) and experience in additional programming languages. I successfully completed the "Propedeuse" - the first year of the course.

Further Reading

Résumé online: <https://etienne.bruines.work/>
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Xing: https://www.xing.com/profile/Etienne_Bruines
GitHub: <https://github.com/EtienneBruines>

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