



ROY VOETMAN

Web Technologies · Teaching · Artificial Intelligence

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EXPERIENCE

Software Engineer

RDW · Internship

Feb 2021 | Jul 2021

- Lead a team of interns consisting of 4 Software Engineers and 2 Network Security Engineers.
- Devised a redesign for a legacy codebase focused on maintainability and reusability.
- Researched and implemented mathematical concepts from autonomous vehicle literature.
- Grade: 10/10, Application stack: **UML, SOLID Principles, Design Patterns, C++, NVIDIA Drive, Carla**

NoardCode

- *Back-end Developer*

Jun 2018 | Feb 2021

- Initiated the migration of proprietary packages to open source packages.
- Optimised the runtime of PHP scripts by inspecting Database/ORM calls.
- Application stack: **Laravel, PHP, PHPUnit, MariaDB, JS, jQuery, Redis**

- *Laravel Developer · Internship*

Mar 2018 | Jun 2018

- Assignment: engineered an application that extracts ePub files (ebooks) and automatically classifies the content into different categories (e.g. Headings, Paragraphs, Images).

Freelance Web Developer

Learn and Believe

Oct 2017 | Dec 2019

- Developed and expanded SPAs ensuring that clients' vision and requirements were met.
- Designed REST APIs with JWT authentication adhering to the Richardson Maturity Model.
- Application stack: **JS, Vue.js, JWT, REST APIs**

PHP Developer

Sep 2016 | Jul 2017

OSG Piter Jelles · Internship

- Assignment: engineered and presented a web-based election system for the Co-Control Board to audiences including senior executives and stakeholders.
- Application stack: **PHP, MSSQL, JS, JQuery**

EDUCATION

Hanze University of Applied Sciences Groningen

2018 | 2022

BSc., Information & Communication Technology · Software Engineering

Current GPA: 4.0 of 4.0 (US scale), Average grade: 8.8 (EU scale)

Among other courses: Computer Architecture, Operating Systems, Algorithms and Data Structures, Web and Mobile Services, and Data Visualization.

Friesland College

2015 | 2018

MBO 4 Application Development

CERTIFICATIONS

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| VWO Wiskunde B (Mathematics for the hard sciences) https://www.royvoetman.nl/credentials/wiskunde-b.pdf | Utrecht University Boswell-Bèta Aug 2021 |
| Computer Science for Artificial Intelligence https://credentials.edx.org/credentials/b251ddf835104f99ab00a67918f55d04/ | HarvardX edX Sep 2020 |
| Certified Laravel Developer https://exam.laravelcert.com/is/roy-voetman/certified-since/2020-02-11 | Laravel Feb 2020 |
| Web Security Specialist https://www.certifiedsecure.com/profile/CS-29111671341 | Certified Secure Apr 2018 |

SKILLS

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| Programming Languages: | PHP, JavaScript, C, C++, Java, Python, MySQL & MSSQL |
| Frameworks & libraries: | Laravel, PHPUnit, Vue.js & jQuery, NVIDIA DriveWorks |
| Industry Knowledge: | Software Documentation, Agile Methodologies, Design Patterns & Principles |
| Interpersonal Skills: | Public Speaking, Team Leadership, Time Management |
| Languages: | Dutch (<i>Native proficiency</i>), English (<i>Professional working proficiency</i>) |

OPEN-SOURCE PROJECTS

Gitlab API Client for PHP
<https://github.com/RoyVoetman/flysystem-gitlab-storage>
A PHP package that has **over 6.000** downloads on Github.

ANCILLARY POSITIONS

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| Teaching Assistant <i>Hanze University of Applied Sciences Groningen</i> | Sep 2019 Present |
| <ul style="list-style-type: none">– Hosting labs and grading problem sets for Hanze's part-time IT bachelors programme. (2021-Present)– Hosted recitation hours for PGM1 PGM2, Hanze's introduction to computer science courses. (2020-2021)– Hosted a weekly study lab session for the web programming with PHP course. (2019-2020) | |
| Study Support Instructor <i>Study Association RealTime</i> | Nov 2019 Present |
| <ul style="list-style-type: none">– Hosting exam preparation sessions for all programming related first-year courses. | |

AWARDS

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| Finalist Open-Source 911 for Digital Space Challenge 2020 Second place in the Odyssey Momentum hackathon, with our team Hanze Rocks 2.0. | Odyssey Hackathon |
| Finalist Web Designer Skills Heroes 2018 Skills Heroes is a competition for MBO students. | WorldSkills Netherlands |