



ROY VOETMAN

Web Technologies · Teaching · Artificial Intelligence
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EXPERIENCE

Software Architect

RDW · Internship

Groningen, Netherlands

Feb 2021 | Present

- Assignment: **autonomous vehicle** development via the **Nvidia Drive** platform in combination with the **CARLA** driving simulator, as a result, expanding RDW's expertise in autonomous vehicles.
- Application stack: **UML, SOLID Principles, Design Patterns, C++, CMake**

Noardcode

Leeuwarden, Netherlands

- *Back-end Developer* Jun 2018 | Feb 2021
 - Adequately coded software changes and alterations based on specific design specifications.
 - Effectively optimized the runtime of legacy PHP scripts by inspecting Database/ORM calls.
 - Successfully migrated proprietary software to **open source** libraries & packages.
 - 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).

Teaching Assistant

Hanze University of Applied Sciences Groningen

Groningen, Netherlands

Sep 2019 | Feb 2021

- Served as a TA for PGM1: Programmeren I, an undergraduate course introducing the concept of **functional programming** with Python.

Freelance Web Developer

Learn and Believe

Leeuwarden, Netherlands

Oct 2017 | Dec 2019

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

PHP Developer

OSG Piter Jelles · Internship

Leeuwarden, Netherlands

Sep 2016 | Jul 2017

- 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

BSc, Information & Communication Technology · Software Engineering

Groningen, Netherlands

2018 | 2022

Current GPA: 4.0 of 4.0 (US scale), Average grade: 8.7 (EU scale)

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

Friesland College

MBO 4 Application Development

Leeuwarden, Netherlands

2015 | 2018

CERTIFICATIONS

Computer Science for Artificial Intelligence https://credentials.edx.org/credentials/b251ddf835104f99ab00a67918f55d04/	HarvardX edX Sep 2020
Mathematics for Machine Learning https://coursera.org/verify/specialization/UDHQPDDYEG9B	Imperial College London Coursera Jul 2020
Certified Laravel Developer https://exam.laravelcert.com/is/roy-voetman/certified-since/2020-02-11	Laravel Feb 2020
Blockchain Foundation Developer https://www.credly.com/badges/54e67437-d903-419b-bf61-b9fe552ec912	IBM June 2019
Web Security Specialist https://www.certifiedsecure.com/profile/CS-29111671341	Certified Secure Apr 2018

SKILLS

Programming Languages:	PHP, JavaScript, C, Java, Python, MySQL & MSSQL
Frameworks & libraries:	Laravel, PHPUnit, Vue.js & jQuery
Industry Knowledge:	Software Documentation, Agile Methodologies, Design Patterns & Principles
Interpersonal Skills:	Public Speaking, Problem Solving, 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>
This package contains a PHP filesystem adapter for Gitlab, and it has **over 5.000** downloads on Github.

VOLUNTEER EXPERIENCE

Study Support Instructor <i>Study Association RealTime</i>	Nov 2019 Present
Co Organizer Meetup Group <i>PHP.frl</i>	Jul 2019 Jan 2020
Course Assistant: ConnectIT <i>OSG Piter Jelles</i>	Sep 2017 Mar 2018

AWARDS

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