# Roy Voetman

Web Technologies · Teaching · Artificial Intelligence
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## EXPERIENCE

**Software Engineer**                                                                              Feb 2021 | Jul 2021
*RDW · Internship*

- 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**                                                                        Oct 2017 | Dec 2019
*Learn and Believe*

- 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

**VWO Wiskunde B (Mathematics for the hard sciences)** — Boswell-Bèta — Aug 2021

**Computer Science for Artificial Intelligence** — HarvardX | edX — Sep 2020
https://credentials.edx.org/credentials/b251ddf835104f99ab00a67918f55d04/

**Certified Laravel Developer** — Laravel — Feb 2020
https://exam.laravelcert.com/is/roy-voetman/certified-since/2020-02-11

**Web Security Specialist** — Certified Secure — Apr 2018
https://www.certifiedsecure.com/profile/CS-29111671341

## SKILLS

| | |
|---|---|
| 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 & Princples |
| Interpersonal Skills: | Public Speaking, Team Leadership, Time Management |
| Languages: | Dutch *(Native proficiency)*, English *(Professional working proficiency)* |

## 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

**Teaching Assistant** — Sep 2019 | Present
*Hanze University of Applied Sciences Groningen*

– 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** — Nov 2019 | Present
*Study Association RealTime*

– Hosting exam preparation sessions for all programming related first-year courses.

## AWARDS

**Finalist Open-Source 911 for Digital Space Challenge 2020** — Odyssey Hackathon
Second place in the Odyssey Momentum hackathon, with our team Hanze Rocks 2.0.

**Finalist Web Designer Skills Heroes 2018** — WorldSkills Netherlands
Skills Heroes is a competition for MBO students.