ROY VOETMAN

Web Technologies · Teaching · Artificial Intelligence
royvoetman@outlook.com · royvoetman.nl · github.com/RoyVoetman

EXPERIENCE

Software Engineer   Feb 2022 | Present
CGI · Graduation Internship

– Researching how quantum computing tasks can be integrated with classical applications.

Software Engineer   Feb 2021 | Jul 2021
RDW · Internship

– Lead a team of 5 software/network engineers to develop self-driving software to control a kart.

– Researched and implemented mathematical concepts from autonomous vehicle literature.

– Devised a redesign for a legacy codebase focused on maintainability and reusability.

– Grade: 10/10, Application stack: **C++, NVIDIA Drive, Carla Simulator**

NoardCode

- *Back-end Developer · Part-time*   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 single page applications ensuring that clients' visions and requirements were met.

– 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, Software Engineering

Current GPA: 4.0 of 4.0 (US scale), Average grade: 8.9 (EU scale)

Friesland College   2015 | 2018
MBO 4 Application Development

CERTIFICATIONS

VWO Wiskunde B (Mathematics for the hard sciences) Utrecht University | Boswell-Bèta
https://www.royvoetman.nl/credentials/wiskunde-b.pdf Aug 2021

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

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

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

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

ANCILLARY POSITIONS

Educational Content Creator Aug 2021 | Present
Open Source CS
  – Creating mathematically orientated explainers tailored towards computer science students.
    https://www.youtube.com/watch?v=yDXk3Fi6b_A

Teaching Assistant Sep 2019 | Feb 2022
Hanze University of Applied Sciences Groningen
  – Hosted labs and graded 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 | Feb 2022
Study Association RealTime
  – Hosted exam preparation sessions for all programming related first-year courses.

PROJECTS

Blockchain System Digital Society Hub
https://github.com/ec-coin/ec-node
Co-Engineered a PoC for a decentralised monetary system (building a blockchain from scratch).
Specifically focused on cryptography and communication protocols.

GitLab API Client for PHP Open Source Library
https://github.com/RoyVoetman/flysystem-gitlab-storage
A PHP package that has **over 7.700** downloads on GitHub.

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.