

# Björn Keyser

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2nd year MSc Media Technology student with a degree in Computer Science.

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## SKILLS

### Front-End

HTML5, CSS

JavaScript, jQuery

Bootstrap

Processing, P5.js

### Back-End

PHP, MySQL, RESTful APIs, Python, Scala

### Multiparadigm

C, C#, C++, Java

### Other

Git / GitHub

Blender, Blender Python

Arduino

Pure Data

WordPress

R

MATLAB

Google Sheets

Microsoft Excel

Max/MSP

Touch Designer

UML

### Web Application Security

Burp Suite Pro

OWASP Top 10

CTF experience

## CERTIFICATES

### Certified Secure Den Haag

Web Security Specialist, Security Specialist,

Essential Security, Essential Specialties

### Pentesterlab

Essential Badge

## PUBLICATIONS

C. G. Allaart, B. Keyser, H. Bal and A. van Halteren, "Vertical Split Learning - an exploration of predictive performance in medical and other use cases," 2022 International Joint Conference on Neural Networks (IJCNN), Padua, Italy, 2022, pp. 1-8, doi: 10.1109/IJCNN55064.2022.9891964.

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## EDUCATION

### Universiteit van Leiden

MSc. Media Technology

Feb 2022 - Present

### Vrije Universiteit Amsterdam

BSc. Computer Science (GPA: 7.9, Thesis: 8.5)

Aug 2018 - Aug 2021

- Minor in Bioinformatics and Systems Biology

### Thomas a Kempis, Arentheem College

VWO-Gymnasium Cum Laude NT & NG

Aug 2012 - Jun 2018: Arnhem, the Netherlands

- Thomas Universalis - Partook in an excellence program for students with "ambition for more", where I recreated a Twitter-esque website from scratch (PHP, SQL).  
2015-2018

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## WORK EXPERIENCE

### Creative Technologist / Superposition Arnhem

Paid internship consisting of programming, computational design and generative art for an exposition at Media Majlis museum in Qatar

### Mathematics Tutor

Tutoring high school (HAVO/VWO) students in beta subjects, mostly mathematics (A & B-level)

Oct 2021 - Feb 2022

### Skateboard Instructor / Public Skateshop & Library Arnhem

Principal instructor in teaching skateboarding to children and adults

April 2021 - Feb 2022

### Warehouse Replenisher / Coop Supermarkten

Improved optimization of shelf supplies

Apr 2016 - 2017

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## SIDE PROJECTS

**Bug bounty hunting /** Self taught web application security with the goal of helping companies secure their websites.

- Spared Tele2 / Reported SQL injection vulnerability on one of T Mobile's databases  
2019 - 2020

