

# Wesley Victor da Costa Vieira

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[w3sley.github.io](https://w3sley.github.io)



## ABOUT ME

I utilize technologies such as JavaScript, Node.js, PHP, MySQL and MongoDB, having previous experience with Digital Ocean's VPS and the Heroku cloud platform. I also have experience with data analysis with Python and SQL. I'm passionate about learning and I have a special interest on back-end web development.

## EDUCATION

**Universidade do Porto (Sept 2018 – June 2021)**

**Major:** Bachelor's Degree in Physics

**Minor:** Computer Science

**CS Coursework:** Data Structures and Algorithms, Databases, Web Technologies, Functional Programming

## LANGUAGES

**Portuguese** (Native)

**English** (Fluent)

## PERSONAL PROJECTS

### Origami

[origamiwebapp.herokuapp.com](https://origamiwebapp.herokuapp.com)

- ✓ Created **Origami**, a web application that allows users to write and store personal notes online.
- ✓ Used PHP as the server side language and MySQL as the database. AJAX (implemented with JQuery) was also used.
- ✓ Utilized the Heroku cloud platform to host the web app online.

### Tables/Graphs generator

[github.com/w3sley/covid19-portugal-wikipedia](https://github.com/w3sley/covid19-portugal-wikipedia)

- ✓ Developed a Python script that parses the DGS (Direção Geral de Saúde) website for daily Covid-19 reports and generates timeline graphs and summary tables with the goal of contributing to Portugal's Wikipedia page.
- ✓ *Beautiful Soup*, *requests* and *urllib* were used to find and download the reports.
- ✓ *pdfminer* was used to extract data from the PDF files and *pandas* was used for the data handling.

### Booked

[bookedapp.herokuapp.com](https://bookedapp.herokuapp.com)

- ✓ On **Booked** users can keep track of the books they are reading.
- ✓ Users can add, edit and delete books on the platform. Book covers are also downloaded based on the title and author of the book.
- ✓ Used HTML, CSS and JavaScript on the front-end, PHP on the back-end and MySQL as the database.

### Entenda Mais

[entendamais.herokuapp.com](https://entendamais.herokuapp.com)

- ✓ Implemented the website for a science communication project called **Entenda Mais** ([facebook.com/entendamais](https://facebook.com/entendamais)).
- ✓ On it, authors can create, edit and delete posts and users can leave comments on each article.
- ✓ The project was developed using the PHP framework Laravel for the back-end and MySQL as the database.

### Bookcover API

[github.com/w3sley/bookcover-api](https://github.com/w3sley/bookcover-api)

- ✓ Implemented an API to retrieve cover images of books from the web.
- ✓ It was built using Node.js and the *npm* module *requests* was used to make HTTP connections.
- ✓ It's main purpose (and reason for development) was to be used on **Booked** as an easy way to gather images for books from the client-side.

### CRUD blog

[github.com/w3sley/express-blog](https://github.com/w3sley/express-blog)

- ✓ Developed a personal blog with CRUD and authentication functionalities using Node.js, Express and MongoDB.
- ✓ Utilized *Handlebars* as the view engine.
- ✓ Used *Passport.js* to implement the authentication system.
- ✓ Used *Bcrypt* to hash the passwords that went into the MongoDB database.

## TECHNICAL SKILLS

**Programming languages:** JavaScript, Python, Java, PHP

**Front-end development:** HTML5, CSS3, Bootstrap4, JQuery

**Back-end development:** Node.js, Express, Laravel

**Databases:** MySQL, MongoDB

**Data analysis:** pandas, numpy, matplotlib, SQL

**Others:** Git, Bash

