William Bernardes Magalhães

Full-Stack Developer

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Profile

Self-taught programmer with experience in a variety of languages including C#, Python, and JavaScript. As a freelancer, I have worked on both front-end and back-end development and comfortable with agile development methodologies, having implemented websites, app features and mobile applications.

Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team, I am excited to bring my skills and experience to a new challenge and I am confident in my ability to contribute to the success of a project.

Relevant Experience

Full-Stack Developer at SpaceWizard
August 2020 - Present
Development of applications and games written in C# in the Unity3D framework. Development of websites using HTML, CSS, JavaScript and React. Maintenance and configuration of git platform and repositories. Modeling and support of SQL and NoSQL databases.

Master in Chemistry at UEL
January 2018 - December 2020
Built and trained a convolutional neural network model with the Python framework TensorFlow, to classify images of coffee beans.

Our dataset was composed by 5000 images of raw Arabica coffee beans, classified as perfect and 9 types of common defects found in coffees sold in the Brazilian internal market. After training, the neural network had a ~80% accuracy on the testing data.

Bachelor in Chemistry at UEL
January 2014 - December 2014
Developed an Arduino colorimeter using LED and photodiode with an op-amp in transimpedance mode. All the instrument parts were developed by myself, including the circuitry and the user interface in C#.

Skills

C# ●●●●●
Python ●●●●●
JavaScript ●●●●●
TypeScript ●●●●○
React ●●●●○
jQuery ●●●●●
HTML ●●●●●
CSS ●●●●●
SQL ●●●●○

Education

Doctor in Chemistry, UEL
Jan 2021 - Present

Master in Chemistry, UEL
Jan 2018 - Dec 2020

Bachelor in Chemistry, UEL
Jan 2011 - Dec 2016

Languages

Portuguese, English.

Hobbies

Games, roleplaying games, reading, traveling.