João Cardoso

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Portfolio: joaocardoso193.github.io

Technical Summary

Technical Certifications	Data Structures and Algorithms
Programming Languages	JavaScript (ES6), Python, Ruby, Java, C, HTML, CSS
Web Frameworks	React, Ruby on Rails
Operating Systems	Linux, Mac OS, Windows
Additional Software/Technologies	SQL, GitHub, APIs, Markdown, LaTeX, VS Code, Adobe Photoshop, Adobe Premiere Pro, Audacity, Logic Pro X

Experience

Flatiron School – Web Development Bootcamp
May 2020 – July 2020

Learned full-stack web development with Ruby on Rails, JavaScript, HTML, and CSS; gained experience collaborating with others over GitHub; developed several applications from the ground up including a social media website and a fully-integrated web game (see in portfolio); achieved the highest possible mark.

Data Science and Visualization University Group Project – Project Leader
September 2019 – January 2020

As part of a UCL course on data science, lead a team of six students in creating a data science report analyzing gender data in relation to economic data in European countries; created main workplan to guide and organize group cooperation; functioned as the group's main coder and data analyst; produced visualizations to be included in final report; oversaw and contributed to the final report which achieved the highest possible mark.

Max Planck Institute for Astronomy – Interning Researcher
May 2019 – July 2019

Used Python to process polarimetry data and create visualisations in order to investigate the role of magnetic fields in the morphology of a star-forming infrared dark cloud; wrote a section of the paper to be published in the future; presented results to the rest of the institute at the end of the internship.

Education

Yale University – Astronomy B.A.
August 2017 – Expected May 2021

Relevant Courses: Object-Oriented Programming, Introduction to Information Systems, Introduction to Programming, Research Methods in Astrophysics, Calculus of Functions of One Variable II, Calculus of Functions of Several Variables.

University College London – Study Abroad
September 2019 – January 2020

Relevant Courses: Quantitative Methods 2: Data Science and Visualization, The Knowledge Economy: Consultancy Project

Skills

Technical Skills	Web Development, Web Design, Software Development, Complexity Theory, Debugging, Troubleshooting
Personal Skills	Teamwork, Leadership, Time Management, Project Planning, Negotiation, Public Speaking, Mindfulness
Languages	English, Portuguese, Spanish, German, Italian