

Francisco Cunha

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Education

BSc Computer Science and Engineering, Delft University of Technology Delft, Netherlands
Minor in *Game Studies* at Leiden University. Sept 2022 – June 2025

Experience

Delft University of Technology, Head Teaching Assistant - Computer Organization Delft, Netherlands
Sept 2024 – present

- Was the point of contact between lecturers and the course's 35 teaching assistants.
- Wrote exam questions, worked on improvements to course material and helped organize course activities.

Delft University of Technology, Teaching Assistant Delft, Netherlands
Sept 2023 – present
Taught course contents in one-on-one and small group sessions, and graded coursework and exams. For the courses: Reasoning and Logic, Introduction to Programming, Computer Organization, Game Development Project, Computer Networks, Probability Theory and Statistics, Software Engineering Methods, and Collaborative Software Engineering Project.

DHAUZ, Data Science Intern Brazil (Remote)
Apr 2022 – July 2022
Used Python and Excel to develop optimization algorithms and perform data analysis, in order to build a system to guide supply chain decisions for an international agricultural company.

Logistics and Optimization Group UFPB, Undergraduate Researcher João Pessoa, Brazil
Apr 2020 – July 2022

- Co-authored a [paper on decision-making algorithms](#) published in Springer's OR Spectrum.
- Built a [website](#) that uses OR algorithms to aid in academic decision-making.

Skills

Programming languages: Proficient with C++, Java, C#, Python and JavaScript

Game engines: Experience building games with Unity ([published projects](#)) and Godot ([published projects](#))

Web development: Experience building websites with several JavaScript (meta)frameworks, including [React](#), [NextJS](#) and [Svelte](#)

Development tooling: Extensive Git experience; experience with CI/CD through GitLab pipelines and GitHub Actions; experience using and defining Docker containers

Languages: English (fluent), Portuguese (native), German (intermediate), Spanish (basic)

Publications

Minimizing energy consumption in a real-life classroom assignment problem Apr 2022
Raphael Medeiros Alves, **Francisco Cunha**, Anand Subramanian, Alisson V. Brito
[10.1007/s00291-022-00674-z](https://doi.org/10.1007/s00291-022-00674-z) (OR Spectrum)

SACI – SISTEMA DE Apoio à decisão DO CENTRO DE INFORMÁTICA: O CASO DA UFPB.
Lucas Guedes, **Francisco Cunha**, André Iarley, Bruno Bruck, Luciano Costa, Anand Subramanian
[Anais do Simpósio Brasileiro de Pesquisa Operacional](#)

Extracurricular Activities

Student mentor (TU Delft): Helped guide and advise group of 25 Computer Science freshmen through weekly meetings in their first semester of university