

JOÃO ALVIM

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EDUCATION

Secondary Education in Sciences Alberto Sampaio Secondary School *September 2017 - June 2020*
Secondary Education in Music - 8th Grade Piano Bomfim Conservatory *September 2017 - June 2020*
Higher Education in Computer Engineering Currently in the 4th year at the University of Minho *October 2020 - June 2025*

TECHNICAL SKILLS

Languages: Portuguese (native language) , English (B2)
Programming Skills: Haskell, C, C++, Python, Java , \LaTeX , Machine Learning, SQL, Linux, VIM

WORK EXPERIENCE

Programming tutoring for university students 2022 - ongoing
High-altitude job, including climbing and rope maneuvers (1 week)
Diver Lanhoso Adventure Park (2 weeks)
Chess activities with preschool children (1 week)
Chess lessons for elementary school children September 2023 - ongoing
Coach/Monitor at the University of Minho Chess Club 2022 - ongoing

VOLUNTEER WORK

Co-Founder and member of a Chamber Music group - Camerata Minhota at University of Minho 2023- ongoing
Coderdojo Organization 2020-2023
Collaborator at the Recreational Center of the Computer Engineering Students' Association 2021-2022

PROJECTS (AVAILABLE ON GITHUB)

datalist - *Haskell* - Implementation of all functions in the Data.List module
Qforms - *Python* - CLI tool like Google Forms without a remote server using ngrok redirecting
Chess-heatmaps - *Python* - representation of chess moves using heatmaps
shipslogs - *Python* - Automatic processor and record print-screens taken during an event such as a talk, meeting or online class
cbirds - *Python* - demonstrative module of function combinators in a point-free style in Python
instagram-puzzles-generator - *Python* - Generating chess puzzle images from a public database to publish on my instagram universities chess club's account

AWARDS

- 2nd place in SEI 2021 hackathon - "Elevating Home Comfort with Innovation"

EXTRACURRICULAR

Led a cat rescue mission from a 15 meter tree: Link to news article (<https://ominho.pt/braga-escalador-resgata-gato-presos-ha-seis-dias-em-arvore-com-15-metros/>)
Federated Athlete in Chess
Federated Athlete in Climbing