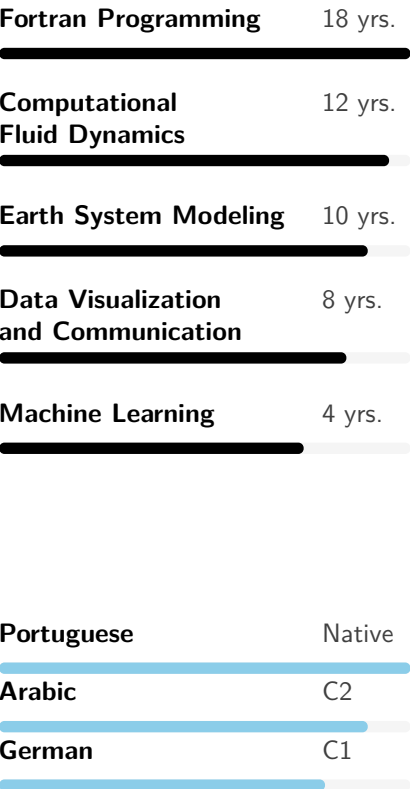


Name Surname, M.Sc.

- Apr. 11th 1985, Lisbon, Portugal
- unmarried
- 📍 123 Main St, La Valletta, Malta
- ✉ yourname@example.com

Toolbox



My Journey

Results-driven and passionate geo-scientist with expertise in environmental numerical modeling, scientific programming, data analysis, and visualization. Proven track record of delivering high-quality results in academia and private sectors across six countries. Adept at writing and testing code, resolving complex issues, and collaborating with teams. Excellent communication skills and a lifelong learner with a strong passion for staying up-to-date with industry developments.

Career Milestones

Computational Specialist

European Climate Research Institute
Berlin, Germany

Jan. 2020 – today

Developed and implemented advanced climate modeling frameworks, integrating atmospheric and oceanic components. Conducted statistical analysis of climate data to identify trends and patterns. Collaborated with researchers to design and execute large-scale climate simulations.

Coastal Modeller/ Project Engineer

Marine and Coastal Engineering
Delft, Netherlands

2018 – 2020

Designed and executed complex coastal engineering projects, utilizing advanced numerical models and computational fluid dynamics. Coordinated with clients to deliver high-quality project results and provided technical guidance to junior team members.

Technical Research Assistant

Institute of Environmental Science and Technology
Zurich, Switzerland

2016 – 2017

Conducted field measurements and data analysis for environmental research projects, focusing on air quality and weather monitoring. Operated and maintained specialized equipment, including LiDAR systems and weather stations.

Research Assistant

Faculty of Engineering, University of Porto
Porto, Portugal

2013 – 2015

Investigated coastal erosion and sediment transport phenomena using numerical modeling techniques, including phase-averaged and phase-resolved models. Collaborated with colleagues to develop and publish research papers. Provided teaching assistance and tutored undergraduate students.

Volunteering

As a dedicated volunteer tutor, I've worked with underprivileged children, helping them overcome educational barriers and achieve academic success through tailored math and reading instruction. By sharing my knowledge and passion, I aim to make a lasting impact and inspire a lifelong love of learning.

Development

1999 - 2004

Bachelor
in Environmental Engineering

School of Engineering –
University of Porto
Thesis title: "Water Quality Model-
ing in River Systems: A Case Study
of the Douro River."

2004 - 2007

Master Degree
in Coastal Engineering

Faculty of Civil Engineering –
Delft University of Technology
Thesis title: "Coastal Erosion and
Sediment Transport: A Numerical
Study of the Dutch Coast."

2010 - 2012

Research Assistant
in Oceanography

Institute of Marine Research –
University of Bergen
Investigating the Impact of Climate
Change on Ocean Circulation and
Marine Ecosystems: A Modeling
Study.

2015 - 2018

Research Fellow
in Climate Science

School of Environmental Sciences –
University of East Anglia
Developing and Applying Climate
Models to Study the Impacts of Cli-
mate Change on Global Food Secu-
rity.

2020 - ongoing

Ph.D. Student, Climate
and Atmospheric Sciences

European University Institute for
Science and Technology
Quantifying the Impacts of Cli-
mate Change on Extreme Weather
Events: A Multi-Model Approach.

Collaborations + Training

Helmholtz Centre for Ocean Research Kiel

Visiting Research Fellow at GEOMAR, in Kiel, Ger-
many. Knowledge exchange on ocean-atmosphere cou-
pling and climate modeling. Collaboration with project
partners.

2022

University of Oxford, UK

Teaching Assistant "Climate Modeling and Prediction".
Preparation of course material: Python exercises and
analysis of large climate data – winter semester.

2022

International Union of Geodesy and Geophysics

IUGG - Summer School on Climate Modeling and Geo-
physical Fluid Dynamics [online event].

2020 – 2021

Massachusetts Institute of Technology (MIT)

Scientific Seminar on climate modeling and ocean-
atmosphere interactions. Presentation on "Ocean-
Atmosphere Coupling in Climate Models".

2019

University of California, Los Angeles (UCLA)

Visiting Research Fellow at the Department of Atmo-
spheric and Oceanic Sciences. Research on ocean-
atmosphere coupling and climate modeling.

2018

Science Blogging

- </> **Visualizing Weather Research and Forecasting Telescopic Nesting with ParaView**, July 2024. KITWARE scientific web-blog.
- </> **Exporting WRF model results in Structured Grid format (.vts) A Paraview direct import**, February 2023. KITWARE scientific web-blog.
- </> **Scientific visualization of Weather Research and Forecasting model output in Paraview**, September 2022. KITWARE scientific web-blog.

Bibliometrics



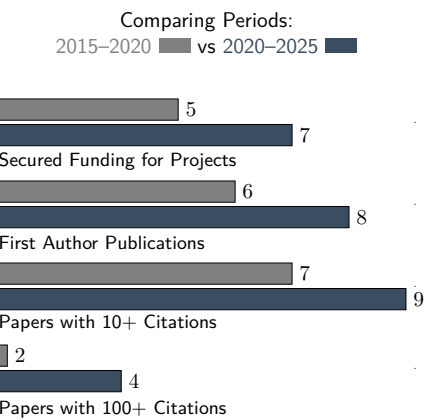
Papers with 10+ citations



First author publications



Papers with 100+ citations



Selected Publications

This is a selection of my best outputs. A complete list is available on request.

Alice Brown, **Name Surname**, and Emily Chen. “Machine Learning for Climate Modeling: A Review of Current Applications”. In: *Proceedings of the 2020 International Conference on Climate Change*. New York, NY, USA: ACM, 2020, pp. 123–135. DOI: 10.1145/3376890.3376895.

Name Surname, Emily Chen, and Michael Davis. “Transfer Learning for Climate Change Detection in Satellite Imagery”. In: *Proceedings of the 2021 International Conference on Computer Vision and Pattern Recognition*. Los Alamitos, CA, USA: IEEE, 2021, pp. 123–135. DOI: 10.1109/CVPR.2021.12345.

Name Surname, Emily Chen, and Sarah Lee. “Machine Learning for Climate Change Prediction: A Case Study”. In: *Proceedings of the 2020 International Conference on Machine Learning*. New York, NY, USA: ACM, 2020, pp. 123–135. DOI: 10.1145/3376890.3376895.

Name Surname, Michael Davis, and Emily Chen. *A Study on the Effects of Climate Change on Global Food Production*. Tech. rep. ESTI-2020-02. Environmental Science and Technology Institute, 2020.

Name Surname, Michael Davis, and Sarah Lee. “Deep Learning for Climate Change Detection in Satellite Imagery”. In: *Proceedings of the 2019 International Conference on Computer Vision*. Los Alamitos, CA, USA: IEEE, 2019, pp. 123–135. DOI: 10.1109/ICCV.2019.12345.

Name Surname and Jane Doe. *Climate Change: Causes, Consequences, and Solutions*. Cambridge, UK: Cambridge University Press, 2018. DOI: 10.1017/9781107169221.

Name Surname, Jane Doe, and Bob Johnson. “Assessing the Impacts of Climate Change on Global Food Security”. In: *Journal of Climate Change Research* 12.3 (2020), pp. 123–145. DOI: 10.1000/jccr.2020.12345.

Name Surname, Jane Doe, and Bob Johnson. *Introduction to Computer Vision*. New York, NY, USA: Springer, 2019. DOI: 10.1007/978-1-4939-6722-1.

Name Surname, Bob Johnson, and Emily Chen. *Assessing the Economic Impacts of Climate Change on Coastal Communities*. Tech. rep. ESTI-2020-01. Environmental Science and Technology Institute, 2020.

Name Surname, Sarah Lee, and John Smith. “Assessing the Impacts of Climate Change on Water Resources: A Case Study”. In: *Journal of Hydrology* 20.1 (2021), pp. 1–15. DOI: 10.1000/jhyd.2021.12345.

Name Surname, John Smith, and Emily Chen. “Quantifying the Effects of Climate Change on Biodiversity Loss”. In: *Journal of Environmental Science* 10.2 (2019), pp. 123–140. DOI: 10.1000/jes.2019.12345.

Name Surname, John Smith, and Michael Davis. “Climate Change Adaptation in Agriculture: A Review of Current Practices”. In: *Journal of Agricultural Science* 15.1 (2020), pp. 1–20. DOI: 10.1000/jas.2020.12345.

List of Referees

I am grateful to the following individuals for their willingness to serve as professional references. They are available to provide further information about my qualifications and experience upon request.

■ Prof. Dr. Stormy Weatherstein

Academic Supervisor

University of Oxford

Oxford OX1 3QD, UK

☎ +44 1865 270000

✉ stormy@example.com

■ Prof. Bizarro B. Brainstorm

Thesis Mentor

National Center for Computational Science (NCCS)

Oak Ridge TN 37831, USA

☎ +1 865 576 1000

✉ bizarro@example.com

■ Dr. Nova Spacedust

Colleague

University of California, Los Angeles (UCLA)

Los Angeles CA 90095-1565, USA

☎ +1 310 825 4321

✉ nova@example.com

Application Letter

Ref RA109.2025
Role Scientific Programmer
Unit Computing
Note Confidential

Recipient Dr. Steve Jobs
Institution Apple Computer
Address 10260 Bandley Drive
Cupertino, CA 95014

Date 4th March 2025

Dear Dr. Jobs,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Thank you for considering my application, confidentially.
Stay hungry, stay foolish.

Name, Surname
Name Surname