Pedro Company Beck

✉ pedro.beck@inf.ufrgs.br
pedro.beck@ufcspa.edu.br   GitHub   ORCID   Lattes   Website

Education

Master of Science in Computer Science · Sep. 2024 – Dec. 2025
Federal University of Rio Grande do Sul (UFRGS) · *Porto Alegre, Brazil*

Bachelor of Medicine · Mar. 2025 – Dec. 2030
Federal University of Health Sciences of Porto Alegre (UFCSPA) · *Porto Alegre, Brazil*

Bachelor of Science in Computer Science, *summa cum laude* · Mar. 2020 – Aug. 2024
Federal University of Rio Grande do Sul (UFRGS) · *Porto Alegre, Brazil*
- Entered in 1st place at the 2020 admission exams for Computer Science
- Graduated *summa cum laude*, final GPA: 3.80/4.00

High School Exchange · Sep. 2018 – May. 2019
Monaghan Collegiate School · *Monaghan, Ireland*

Technical High School - Electrotechnics · Jan. 2017 – Jul. 2018
Federal Institute of Santa Catarina (IFSC) · *Florianópolis, Brazil*

Academic Experience

Graduate Student Researcher (MSc Student) · Sep. 2024 – present
Computer Graphics, Image Processing and Interaction Group – Institute of Informatics – UFRGS · *Porto Alegre, Brazil*
- Advisor: Prof. Manuel M. Oliveira
- Fields: Digital Signal Processing, Image Processing

BSc in Computer Science Thesis (TCC) · Jan. 2024 – Aug. 2024
Computer Graphics, Image Processing and Interaction Group – Institute of Informatics – UFRGS · *Porto Alegre, Brazil*
- Thesis Title: Aliasing Removal Using Multiple Sub-Nyquist Samplings
- Advisor: Prof. Manuel M. Oliveira
- Fields: Digital Signal Processing, Image Processing

Undergraduate Student Researcher · Oct. 2022 – Aug. 2024
Parallel and Distributed Processing Group (GPPD) – Institute of Informatics – UFRGS · *Porto Alegre, Brazil*
- Researcher in a project in partnership with Petrobras
- Advisors: Prof. Eduardo S. L. Gastal and Prof. Lucas M. Schnorr
- Fields: Computer Graphics, Computational Geophysics, High-Performance Computing

Undergraduate Student Researcher · Feb. 2022 – Jun. 2022
Multiagent Systems Lab (MASLAB) – Institute of Informatics – UFRGS · *Porto Alegre, Brazil*
- Advisor: Prof. Ana L. C. Bazzan

Teaching Assistant - Calculus II · Aug. 2021 – Nov. 2021
Institute of Mathematics and Statistics – UFRGS · *Porto Alegre, Brazil*
- Advisor: Prof. Virginia M. Rodrigues

Teaching Assistant - Calculus I · Jan. 2021 – May. 2021
Institute of Mathematics and Statistics – UFRGS · *Porto Alegre, Brazil*
- Advisor: Prof. Flávia M. Branco

Professional Experience

Full Stack Developer · Nov. 2022 – Mar. 2024 / Jan. 2025 – present
Cognitiva Brasil · *Porto Alegre, Brazil*
- Technologies Used: Java (Spring Framework), AngularJS, ReactJS, PostgreSQL

Full Stack Developer · Jun. 2022 – Nov. 2022
Vent Digital · *Porto Alegre, Brazil*
- Technologies Used: NodeJS, ReactJS, PostgreSQL, Bootstrap

Full Stack Developer   **Feb. 2022 – Jun. 2022**
GROW+ Startups Accelerator   *Porto Alegre, Brazil*

- Technologies Used: Java (Spring Framework), ReactJS, NextJS, PostgreSQL

TECHNICAL SKILLS

Natural Languages: English (Proficient), Portuguese (Fluent), Spanish (Intermediate), Japanese (Basic), Korean (Basic)

Programming Languages: C, **C++**, **Java**, Python, JavaScript, SQL, HTML, CSS, LaTeX, MATLAB

Libraries & Frameworks: OpenCV, ImGUI, Spring, ReactJS, AngularJS, NodeJS, NumPy, SciPy, pandas, Bootstrap

Tools & Others: Git, GNU/Linux, PostgreSQL, MySQL, Emacs, Microsoft Office

HONORS AND AWARDS

Bachelor's Degree *summa cum laude* (Láurea Acadêmica)   **2024**
Institute of Informatics – UFRGS

LANGUAGE CERTIFICATIONS

Certificate in Advanced English (CAE) – Grade A – CEFR Level C2
University of Cambridge

Japanese Language Proficiency Test (JLPT) N5 – 日本語能力試験 N5
国際交流基金 – *Japan Foundation*

Test of Proficiency in Korean (TOPIK I) – 한국어능력시험 I
국립국제교육원 – *National Institute for International Education (NIIED)*

OPEN SOURCE CONTRIBUTIONS

CalculoNumerico | github.com/reamat/CalculoNumerico | ★ 130+

- Open Source textbook for Numerical Calculus made by the Institute of Mathematics and Statistics - UFRGS

OTHER ACTIVITIES

IEEE UFRGS Student Branch   **Aug. 2024 – present**
Treasurer   *Porto Alegre, Brazil*

EVENTS ATTENDED

- Anime Buzz Caxias (2024) – Caxias do Sul, Brazil

- XXIV ERAD/RS (2024) – Florianópolis, Brazil

- 30th AnimeXtreme (2022) – Porto Alegre, Brazil

OTHER CERTIFICATIONS AND AWARDS

- Honourable Mention in Santa Catarina Chemistry Olympiad – OCQ 2017

- Tetris® Grandmaster

HOBBIES AND OTHER INTERESTS

- Chess • Music • Piano • Rubik's Cube