

PEDRO COMPANY BECK

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

EDUCATION

Master of Science (M.Sc.) in Computer Science <i>Federal University of Rio Grande do Sul (UFRGS)</i>	Sep. 2024 – Dec. 2025 <i>Porto Alegre, Brazil</i>
Doctor of Medicine (M.D.) <i>Federal University of Health Sciences of Porto Alegre (UFCSPA)</i>	Mar. 2025 – Dec. 2030 <i>Porto Alegre, Brazil</i>
Bachelor of Science (B.Sc.) in Computer Science, <i>summa cum laude</i> <i>Federal University of Rio Grande do Sul (UFRGS)</i> <ul style="list-style-type: none">Entered in 1st place at the 2020 admission exams for Computer ScienceGraduated <i>summa cum laude</i>, final GPA: 3.80/4.00	Mar. 2020 – Aug. 2024 <i>Porto Alegre, Brazil</i>
High School Exchange Year <i>Monaghan Collegiate School</i>	Sep. 2018 – May. 2019 <i>Monaghan, Ireland</i>
Technical High School - Electrotechnics <i>Federal Institute of Santa Catarina (IFSC)</i>	Jan. 2017 – Jul. 2018 <i>Florianópolis, Brazil</i>

RESEARCH EXPERIENCE

Graduate Student Researcher (M.Sc. Student) <i>Computer Graphics, Image Processing and Interaction Group – Institute of Informatics – UFRGS</i> <ul style="list-style-type: none">Advisor: Prof. Manuel M. OliveiraFields: Digital Signal Processing, Image Processing	Sep. 2024 – present <i>Porto Alegre, Brazil</i>
BSc in Computer Science Thesis (TCC) <i>Computer Graphics, Image Processing and Interaction Group – Institute of Informatics – UFRGS</i> <ul style="list-style-type: none">Thesis Title: Aliasing Removal Using Multiple Sub-Nyquist SamplingsAdvisor: Prof. Manuel M. OliveiraFields: Digital Signal Processing, Image Processing	Jan. 2024 – Aug. 2024 <i>Porto Alegre, Brazil</i>
Undergraduate Student Researcher <i>Parallel and Distributed Processing Group (GPPD) – Institute of Informatics – UFRGS</i> <ul style="list-style-type: none">Researcher in a project in partnership with PetrobrasAdvisors: Prof. Eduardo S. L. Gastal and Prof. Lucas M. SchnorrFields: Computer Graphics, Computational Geophysics, High-Performance Computing	Oct. 2022 – Aug. 2024 <i>Porto Alegre, Brazil</i>
Undergraduate Student Researcher <i>Multiagent Systems Lab (MASLAB) – Institute of Informatics – UFRGS</i> <ul style="list-style-type: none">Advisor: Prof. Ana L. C. Bazzan	Feb. 2022 – Jun. 2022 <i>Porto Alegre, Brazil</i>

TEACHING EXPERIENCE

Teaching Assistant - Fundamentals of Image Processing <i>Institute of Informatics – UFRGS</i> <ul style="list-style-type: none">Advisor: Prof. Manuel M. Oliveira	Aug. 2025 – present <i>Porto Alegre, Brazil</i>
Teaching Assistant - Calculus II <i>Institute of Mathematics and Statistics – UFRGS</i> <ul style="list-style-type: none">Advisor: Prof. Virginia M. Rodrigues	Aug. 2021 – Nov. 2021 <i>Porto Alegre, Brazil</i>
Teaching Assistant - Calculus I <i>Institute of Mathematics and Statistics – UFRGS</i> <ul style="list-style-type: none">Advisor: Prof. Flávia M. Branco	Jan. 2021 – May. 2021 <i>Porto Alegre, Brazil</i>

PROFESSIONAL EXPERIENCE

Full Stack Developer <i>Cognitiva Brasil</i> <ul style="list-style-type: none">Technologies Used: Java (Spring Framework), AngularJS, ReactJS, PostgreSQL	Nov. 2022 – Mar. 2024 <i>Porto Alegre, Brazil</i>
Full Stack Developer <i>Vent Digital</i> <ul style="list-style-type: none">Technologies Used: NodeJS, ReactJS, PostgreSQL, Bootstrap	Jun. 2022 – Nov. 2022 <i>Porto Alegre, Brazil</i>
Full Stack Developer <i>GROW+ Startups Accelerator</i> <ul style="list-style-type: none">Technologies Used: Java (Spring Framework), ReactJS, NextJS, PostgreSQL	Feb. 2022 – Jun. 2022 <i>Porto Alegre, Brazil</i>

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 <i>summa cum laude</i> (Láurea Acadêmica) <i>Institute of Informatics – UFRGS</i>	Sep. 2024
---	------------------

LANGUAGE CERTIFICATIONS

Certificate in Advanced English (CAE) – Grade A – CEFR Level C2 <i>University of Cambridge</i>
Japanese Language Proficiency Test (JLPT) N5 – 日本語能力試験 N5 国際交流基金 – <i>Japan Foundation</i>
Test of Proficiency in Korean (TOPIK I) – 한국어능력시험 I 국립국제교육원 – <i>National Institute for International Education (NIIED)</i>

OPEN SOURCE CONTRIBUTIONS

CalculoNumerico github.com/reamat/CalculoNumerico ★ 130+
<ul style="list-style-type: none">Open Source textbook for Numerical Calculus made by the Institute of Mathematics and Statistics - UFRGS

OTHER ACTIVITIES

IEEE UFRGS Student Branch <i>Treasurer</i>	Aug. 2024 – present <i>Porto Alegre, Brazil</i>
UFCSPA Ophthalmology League <i>Member</i>	Apr. 2025 – present <i>Porto Alegre, Brazil</i>
UFCSPA Human Anatomy League <i>Member</i>	Jun. 2025 – present <i>Porto Alegre, Brazil</i>

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