

# PEDRO COMPANY BECK

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## About

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Computer Science undergraduate student at the Federal University of Rio Grande do Sul (UFRGS).

## Fields of Interest

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- Visual Computing • High-Performance Computing • Theoretical Computer Science
- Pure Mathematics • Theoretical Linguistics

## Education

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### Bachelor of Science - Computer Science

Jan. 2020 – Jul. 2024

*Federal University of Rio Grande do Sul (UFRGS)*

*Porto Alegre, Brazil*

- Entered in 1<sup>st</sup> place at the 2020 admission exams for Computer Science.
- Undergraduate Thesis: Analysis and Implementation of Aliasing Removal Techniques in Sub-Sampled Signals
- Fields: Digital Signal Processing, Image Processing
- Advisor: Prof. Manuel M. Oliveira

### 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

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### Undergraduate Student Researcher

Oct. 2022 – present

*Parallel and Distributed Processing Group (GPPD) – Institute of Informatics – UFRGS*

*Porto Alegre, Brazil*

- 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

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### Full Stack Developer

Nov. 2022 – Mar. 2024

*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

### Full Stack Developer

Feb. 2022 – Jun. 2022

*GROW+ Startups Accelerator*

*Porto Alegre, Brazil*

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

## Technical Skills

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

**Programming Languages:** C, C++, Java, Python, JavaScript, SQL, HTML, CSS,  $\text{\LaTeX}$

**Libraries & Frameworks:** OpenCV, ImGui, Spring, ReactJS, AngularJS, NodeJS

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

## Language Certifications

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**Certificate in Advanced English (CAE) – Grade A – CEFR Level C2**

*University of Cambridge*

**Japanese Language Proficiency Test 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)*

## Events Attended

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- XXIV ERAD/RS (2024) – Florianópolis, Brazil
- 30<sup>th</sup> AnimeXtreme (2022) – Porto Alegre, Brazil

## Other Certifications and Awards

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- Honourable Mention in Santa Catarina Chemistry Olympiad – OCQ 2017
- Tetris<sup>®</sup> Grandmaster

## Hobbies and Other Interests

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- Chess • Music • Playing Piano • Rubik's Cube