

Resume

Alan Rivas

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Experience

Washington University in St. Louis.

St. Louis, MO

International Student Research Internship Program Abhinav Jha's Lab

July 2024 – September 2024

- Developing algorithms for Medical Imaging processing in SPECT.
- Deep Learning and Machine learning algorithms for segmentation and anomaly detection.

Harvard Medical School - Boston Children's Hospital

Fetal Neonatal Neuroimaging and Developmental Science Center, Im Kiho's Lab

Boston, MA

Student Research Intern

August 2023 – June 2024

- Developing an automated multi-tissue segmentation model for High-Resolution Fetal Brain MRIs
- Strong skills in Linux, Python, Pipelines development, Pytorch, Project Management, Machine Learning, and focused research.
- Data Science Course Harvard *John A. Paulson School of Engineering and Applied Sciences*. Pavlos Protopapas Ph.D.
- Lead a team of 6 students to manage the new High-Resolution project

El Rey del Paste

Monterrey, Mex

Founder and CEO

January 2023 – Currently

- Fast Food SME founded visualizing a commerce opportunity in a student area.
- Investments, Financial, Marketing, Logistics, Accountability are the areas supervised.
- Lead a team of 6 members (support and kitchen staff) to get focused on the main goals of the enterprise.
- Enterprise valued at \$1,000,000 pesos (MXN) (\$ 60, 000 dollars).

Education

Instituto Tecnológico de Estudios Superiores de Monterrey *ITESM*

Monterrey, Mex

Bachelor of Science, *Field of Study: Physics Engineering*

December 2024

Excellence List Academic Achievement Award (all previous years) **95/100 grade**

Certificate in Data Science (Cristal Enterprise)

Academic Talent Scholarship 60% of tuition (Worked up to 30+ hours a week to defray cost of tuition.40%)

Relevant coursework in optics and quantum mechanics, unwrapping phase for imaging reconstruction.

Volunteer Experience

Project 99

Monterrey, Mex

Astronomy Teacher. Free courses to children and teenagers, who don't have access to education,

Python Language Teacher. Programming classes to low-income women

Robin Hood Camp

Maine, ME

Astronomy Teacher. English Courses to children and teenagers

Additional Information

GitHub Portfolios

<https://alanjese23.github.io/>

Student Portfolios.

<https://miscompetenciastec21.tec.mx/elumen/portfolio/48O4pXf1OjF0NzQ>

Athletic person, astronomy lover, soccer fan, soccer introduced my interest in data science.