Resume Rafael Arias Gonzalez

Machine Learning Engineer, University/Private Lecturer

Birthdate: 15th Sep. 1992 Click here for full academic CV

Education

2021 - 2024 Master of Science

GPA: 4.2/4.33

Interactive Arts and Technology Simon Fraser University, CAN

2012 - 2017 Bachelor of Science / Engineering (dual)

First Class Honours, GPA: 9.8/10 Major: Audio Engineering Middlesex Univ., UK / SAE, MEX

Diplomas

2017 Deep Learning / Robotics Nanodegree

Udacity, USA

2014-2015 Diploma in Sound Design for Visual Media

Honours

Vancouver Film School, CAN

Teaching Experience

2023 - Present (PT)

SFU (Simon Fraser University), Canada *University Sessional Instructor*

Courses: IAT 100, 313, 167, 265, 267, 352, 443, 445

2023 - Present (PT)

VFS (Vancouver Film School), Canada *Postsecondary Instructor*

Courses: Narrative Design, Env. Storytelling, Games, JS

2020 - Present (PT)

BEDU, Mexico Senior Instructor

Courses: Data Science, AI, Full Stack Dev, Databases

2024 (PT)

Artek, Mexico University Lecturer

Courses: Text and Data Mining

2018 - 2023 (PT)

SAE Institute, Mexico

University Lead Instructor / Lecturer

Courses: Advanced AI (Unity/Unreal), Tech Audio (Fmod)

2017 - 2021 (PT)

REC University, Mexico University Lead Instructor

Courses: Audio Programming for Interactive Media, Music Al

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Work Experience

2024-Present (PT)

Noys Games, Mexico *Developer*

Responsible for technical art, world-building, narrative design, and environmental storytelling.

2023-Present (PT)

Vancouver Film School, CAN Latin American Ambassador

Development and delivery of conferences and workshops across universities in Latin America as part of VFS' international outreach initiatives.

2022 (PT)

Barely Alive, Brazil

Game Al / Software Developer

Aid in design and implementation of Game AI systems for in-game NPCs.

2021 (FT)

Daizic, USA **Senior Data Science Engineer**

Company analyzing tendencies in the Music Industry. Design, test and maintain large-scale databases. Data cleaning and organization. Data scrapping and ingestion pipelines creation.

2019 (FT)

Marakana AI, USA Head of Machine Learning

In charge of data analysis and planning, development, and deployment of Machine Learning systems for different sports iOS apps.

2018 - 2019 (FT)

Catalyst / Airtm, Mexico

Al / Full-stack Developer

Database creation. API development. Server management.

Sep 2018: Promoted to Blockchain Developer.

2018 (FT)

Al Lab, Kaluz Foundation, Mexico Artificial Intelligence Analyst

Data analysis and A.I. model development for predictions and projections. A.I. architecture design to improve processes inside the company.

Awards

2022/2023 Travel & Research Award

CAD 1'985. (2022), CAD 1'990. (2023) Simon Fraser University, Canada

2021/2022 Excellence in Teaching Award

BEDU, Mexico

2021 Graduate Fellowship

CAD 7'000.

Simon Fraser University, Canada

2016 Academic Merit Scholarship

Recurrent variable funding. Kaluz Foundation, Mexico

2015 Student Video Game Competition Winner

Role: Audio Design & Implementation.

ESAC, Canada

2014 VFS' My Year Scholarship Competition

CAD 22'000 Scholarship.

VFS, Canada

Selected Conferences / Workshops

2025 Generative Al, Revolution or Illusion?

Conference

UAO University, Colombia

2024 The Psychology of Audio for Film and Games

Conference

ICESI University, Colombia

2024 Develop a Game in Unity

VFS Workshop

Galileo / UVG Universities, Guatemala

2023 Make a 2D Platformer

VFS Workshop

De la Sabana / De los Andes Universities, Colombia

2023 Audio / VFX Post production for a short film

VFS Workshop

TEC, Mexico

2020 Al Ethics

Keynote Speech SAE Institute, Mexico

Student Supervision

2018 - 2021

SAE Institute, Mexico

Undergrad Dissertation Mentor and Jury

Provide technical mentorship to Video Game Programming and Audio Engineering undergrad students. Part of the dissertation jury for undergrad students' final oral defences.

- Dissertations as mentor: 7 / Defences as jury: 4

Interests

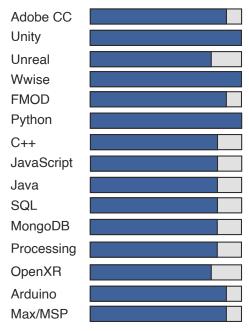
Video Game Development, Technical Art, New Media.

Languages

English IELTS: 8.5/9 (9R, 9L, 7.5S, 7.5W)

Spanish First language

Technical Skills



References

Steve DiPaola

Position Graduate Program Chair, Professor

Employer SIAT, SFU

Address 13450 102 Ave, Surrey, BC V3T 0A3

Email sdipaola@sfu.ca Mobile (604)7196579

Barbara Martinez Ruiz

Position Latin America Admissions Director

Employer Vancouver Film School

Address 198 W Hastings, Vancouver, BC V6B 1H2

Email BMartinez@vfs.com Mobile (604)2696961

Alfonso Salinas Palacio

Position Audio Director Employer A Shell in the Pit

Address 196 W 3rd Ave, Vancouver, BC V5Y 1E9
Position Former Director of the School of Audio

Employer SAE University

Email alfonso@ashellinthepit.com

Mobile (236)9751040