

Miguel Jover

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EDUCATION

Bachelor of Science in Computer Science

2023

Concentration: AI, Robotics, and Gaming

The University of North Carolina at Charlotte, Charlotte, NC

GPA: 3.95, Chancellor's List 2020-2021 & 2021-2022, University Honors & CCI Honors

RELEVANT COURSEWORK

Computer Science | Data Structures and Algorithms, Software Engineering, Matrices & Linear Algebra

Game Development | Intro to Game Design & Development, Intro to Artificial Intelligence, AI in Computer Games

TECHNICAL SKILLS

Languages | C#, Python, JavaScript, Java, C++, C, HTML, CSS, C, Node.js

Platforms | Unity, Aseprite, Figma

Packages | NumPy, scikit-learn, Matplotlib, TensorFlow

Developer Tools | GitHub, Docker, Linux workflow, Experience in Unit Testing, Anaconda workflow, BitBucket

WORK EXPERIENCE

NC-LSAMP Undergraduate Researcher | Forecasting Brain Data

2022

Investigated methods of human error detection and forecasting among a team of researchers

- Spearheaded small group of researchers that focused on forecasting using Agile methodologies
- Develop a model that can detect human mistakes from brain data with 99% accuracy using machine learning
- Predict presence of a human mistake up to 1 minute in the future with greater than 90% accuracy
- Presented a research poster summarizing findings at UNC Charlotte's Summer Research Symposium

GAME DEVELOPMENT

Game in Development | Catgame

2022

Game inspired by Nintendogs where the player adopts and raises a kitten or puppy into adulthood Unity | C# | Aseprite

- Design and illustrate original characters, animals, and map environment in a 2-D top-down GBA artstyle
- Develop system to allow user to choose a path to take their pet on a walk with various interactions
- Prototype decision-trees to dictate pet and other non-playable characters' behavior

Game Jam | little guy meets world :)

2022

Physics-based platformer themed around "drift" submitted for UNC Charlotte Fall 2022 49er Game Jam

Unity | C#

- Designed, developed, and built a game in 49 hours while collaborating in a team of developers
- Scripted player controller and physics, world interaction, HUD manager, and game manager scripts

EXTRACURRICULARS

President of UNC Charlotte's University Honors Program

2021

- Coordinate a board of executive members to cast a vision that fosters community, service, and scholarship
- Represent the UHP to external organizations, companies, and charities