# 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 + Frameworks** | **Python, C#, SQL, JavaScript, Java**, C++, jQuery, HTML, CSS, C
**Frameworks** | **Flask, FlaskSQLAlchemy,** NumPy, scikit-learn, Matplotlib, TensorFlow
**Platforms** | **PosgreSQL**, Node.js, Figma, Trello, Slack
**Developer Tools** | **Git workflow, GitHub**, Linux workflow, Docker, Anaconda toolkit, 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

## SOFTWARE ENGINEERING APPLICATIONS

**Full-Stack Software Engineer** | FromScratch 2022
*Web application social media platform for creating and sharing "Scratches"* Flask | SQLAlchemy | HTML + CSS

- Implement user session auth, user activity tracking, and post, comment, and like "scratch" posts with a team of six junior developers using Agile methodologies, leading to flawless user experience
- Spearhead back-end database development, maintenance, and unit + E2E testing; finalized robust database-server interaction two weeks ahead of schedule

**Front-End Software Engineer** | Genshin Impact Wish Simulator 2022
*Simulator for Genshin Impact's "wishing" system with added features* JavaScript | Node.js | HTML + CSS

- Identically mimic mathematical mechanics from the wishing system seen in gacha video game Genshin Impact; enhancing user experience by meeting user expectation
- Service users by revealing luck tendencies in past wishes and using binomial probability to predict the theoretical probability of a specific future wish result, providing utility to the user

## 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