

Joseph Wagner

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EDUCATION

Candidate for **Bachelor of Science**,

Tulane University, School of Science & Engineering

Graduation Date: May, 2024

GPA: 3.905

Major: Physics and Computer Science

Minor: Mathematics

EXPERIENCE

March, 2021 –
December, 2021

Software Engineering Intern, *Revibe, New Orleans, LA*

Goal: To develop and test a start-up app Revibe, and aiding in the launch

My Contribution:

- Tested dating app algorithm, user experience, and user interface
- Collaborated with students to design strategies to promote new user downloads
- Created growth marketing campaigns that garnered new users

December, 2021 –
August, 2022

Staff Programmer, *Computer Programmers Unlimited, New Orleans, LA*

Goal: Providing comprehensive computer services and support for businesses

My Contributions:

- Implementation and support of custom software packages
- Web design to create effective web pages using SQL, ASP, PHP, etc.
- Database programming and development with C/C++, Java, Access

May, 2022 –
August, 2022

Research Assistant, *Montemore Group, New Orleans, LA*

Goal: Construct accurate and efficient models for studying and designing materials

My Contributions:

- Utilizing data from DFT calculations to create machine learning models
- Finding and cleaning data to be used with material models

May, 2023 –
Present

Machine Learning Research, *Tulane University, New Orleans, LA*

Goal: Finalize paper on learning constraints from demonstrations

My Contributions:

- Implementing and testing Inverse Reinforcement Learning algorithms
- Producing content for academic research paper

TECHNICAL EXPERIENCE

Languages: Java, C, C++, Python, OpenGL, SQL, HTML, CSS

Operating Environments: Visual Studio, GitHub, Microsoft Office Suite, Google Colab

HONORS AND ACTIVITIES

Eagle Scout

Dean's List

National Merit Finalist

Tulane Mayoral Scholarship

Tulane Ultimate Frisbee President

Tulane Disc Golf Club Founder

