

Ryan Leonard

ryanleonard.co

(908) 652-1950 | rleonard772@gmail.com | [linkedin.com/in/ryan-leonard02](https://www.linkedin.com/in/ryan-leonard02) | github.com/Rleonard02

OBJECTIVE

Secure a full time role related to software engineering after graduation.

EDUCATION

Purdue University, West Lafayette, IN

December 2024

Bachelor of Science in Computer Science, Concentration in Software Engineering

GPA: 3.74

RELEVANT SKILLS

Machine Learning, Data Structures/Algorithms, HTML/CSS/JavaScript, Java/C/C++, MongoDB, React.JS, React Native, RESTful API Development, SCRUM development, full stack, SQL, python, .NET, MERN, Git, Linux/Unix, software testing, frontend, backend, software development, AWS, database management, Project Management. Systems Programming, Software Engineering.

PROJECTS

Recipe Remix

Aug. 2023 - Dec. 2023

- Created a full stack recipe software project in order to make cooking simpler and faster for college students.
- Led 6 person collaborative effort using React.js and a MongoDB database in order to create a streamlined and efficient development process.
- Developed backlogs, user stories, and project goals each sprint in order to streamline each sprint.
- Implemented react/node/express elements and integrated Google and Recipe RESTful APIs into the project to create a system that was efficient and simple to work with.

Machine Learning in Motion

Jan. 2024 - Current

- Utilizing the power of machine learning to create a dynamic system that detects humans, shapes, and motion in 3D space.
- Crafting an accessible interface that can be utilized by all, breaking barriers in the world of dance and artistic expression.
- Researching and integrating existing neural networks and models such as YOLO and OpenCv in order to better understand and develop a system that can better detect bodies in motion as well as estimate their depth from the camera.

Personal Portfolio Website (ryanleonard.co)

Apr. 2023 - Current

- Creating a React-based website to showcase past and current professional projects/interests.
- Built the website through self guided techniques in order to develop my skills in an unstructured, non-academic environment.

PROFESSIONAL WORK EXPERIENCE

Internship at Symetra Financial

May 2024 - Current

- Currently building and packaging a python library that simplifies the process of interacting with valuable GraphQL API, to make developing with this API faster and easier.
- Developing valuable cloud skills with AWS Appsync and DynamoDB in order to support the AWS infrastructure.
- Collaborating with coworkers in Agile/Scrum environments to efficiently progress on work deliverables.

Cognition and Learning Lab Programmer

May 2023 - Current

- Develop tests designed by Purdue Psychology Researchers so that they can be deployed for data collection.
- Performing software testing techniques and maintaining current code bases for lab websites and experiments in order to ensure that repositories are up to date and working properly.

Machine Learning in Motion Summer Intern (Co-Lead)

April 2023 - Current

- Leading summer research team in continuing Machine Learning in Motion project in order for it to be ready for demonstration in August 2024.
- Overseeing current project goals and team member responsibilities to make sure the project is making consistent progress.
- Communicating between team members and project advisors to make sure long term goals are aligned with our work.

TEACHING/MENTORING EXPERIENCE

Undergraduate Teaching Assistant

Jan. 2023 - May 2023

- Guided students towards higher understanding of course content by asking questions that encourage students to work through problems, in order to enhance students problem solving skills.
- Created C programming labs to ensure course content is balanced yet challenging for 3 classes of 20 students.

LEADERSHIP/COMMUNITY OUTREACH EXPERIENCE

Alpha Phi Omega - Alpha Gamma Chapter (Rush- Co Chair)

Aug. 2023 - Current

- Volunteering in community and campus projects in order to benefit members of the on campus and Lafayette community.
- Training new members in the program by befriending them and guiding them towards doing community service in order to help them become active APO members.
- Organizing service events such as campus clean ups and community outreach for new members to give them a sense of what our organization is about.

