

Jason Ang

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EDUCATION

University of Florida

Gainesville, FL

Bachelor of Science in **Computer Science** and Minor in **Economics**

GPA: 3.93/4.00, April 2026

Notable Coursework: Data Structures and Algorithms, Graduate Machine Learning Engineering, Econometrics Information and Database Systems, Software Engineering, Probability, Computational Math, Operating Systems

Organizations: Honors Program, Data Science and Informatics (DSI) Club

EXPERIENCE

Custom Software Engineering Developer Intern

May 2024 – August 2024

Arthrex, Inc.

Naples, FL

- Modified .NET C# and SQL database for a web application using Agile/waterfall hybrid methodology to enhance features for a benefits website, serving 5,000 employees across 6 divisions nationwide.
- Followed CI/CD pipelines using Azure DevOps and Octopus Deployment, ensuring seamless SDLC integration, testing, and deployment processes.
- Collaborated closely with SQA for extensive testing and utilized Azure DevOps for project management and repository management, ensuring robust application quality.
- Modified SSMS to enhance stored procedures, ensuring efficient and relevant database management.

Computational Research Assistant

September 2023 – May 2024

Prentice Lab at University of Florida

Gainesville, FL

- Presented processed Imaging Mass Spectrometry visualization at UF Symposium; enhanced label-free mapping with high specificity and spatial intensity.
- Advanced molecular pattern recognition using transfer learning CNN; surpassed traditional k-means in sample brain tissue analysis.
- Adapted to multidisciplinary team requirements while refining CNN models and enabling more timely and accurate molecular pathology analysis for further research initiatives.

Teaching Assistant

August 2023 – Present

COP3503C Programming Fundamentals 1 (Python) - University of Florida

Gainesville, FL

- Conducted engaging presentations for over 30 students in programming labs, provided support during office hours, and evaluated student projects and exams.

PROJECT EXPERIENCE

FREEcycle ([GitHub](#)) | *PostgreSQL, Express, React (Tailwind), Node* January 2024 – April 2024

- Integrated a database and routing middleware on the server side to perform CRUD operations and create an interactive front-end.
- Implemented JWT authentication to ensure secure storage of users' unique product listings and sensitive data.
- Led Agile transformations adopting Scrum and Kanban frameworks using JIRA

Georgia Tech Hacklytics | *Python, (TensorFlow, numpy)*

February 2023

- Processed and analyzed millions of basketball data points to uncover insights and trends.
- Applied DBSCAN algorithm to identify and analyze predominant basketball shooting locations for specific players based on game date and player input, enhancing strategic play insights.

LegendAI Website | *Python, HTML/CSS, AWS, Flask, MySQL* February 2023 – September 2023

- Launched [linkedin.com/company/legendai](https://www.linkedin.com/company/legendai), data collection and analytics service for Amazon products.
- Utilized AWS cloud for remote data storage and maintained an EC2 instance for web server hosting.
- Developed and integrated login/registration, OAuth authentication, Google AdSense, and Stripe payment.

Air Flight Traveling Route Optimization ([GitHub](#)) | *c++*

July 2023 – August 2023

- Optimized flight paths using algorithms such as Dijkstra's, A*, and BFS for randomized flights.
- Created a GUI application with SFML for route visualization and user interaction.
- Constructed a graph data structure with over 100,000 location objects to support the application.

TECHNICAL SKILLS

Languages: Python, C++, R, HTML, CSS, JavaScript, SQL, C#

Developer Tools: Github, Git, Anaconda, VS Code, Visual Studio, SSMS, Octopus Deployment, Azure DevOps, AWS, Postman, Jira

Certifications: Google Data Analytics Certificate, NVIDIA Fundamentals of Deep Learning, CodePath Interview Prep