

Donovin Natividad

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EDUCATION

The Ohio State University, Main Campus

Columbus, OH

Bachelor of Science in Computer Science & Engineering

May 2025

GPA: 3.61 | Honors/Awards: Dean's List awarded all semesters

Relevant coursework: Data Structures & Algorithms, Web Applications, Databases, Operating Systems, Intro to AI, Software Engineering Techniques, Computer Vision, Computer Networking, Engineering Statistics, Linear Algebra

SKILLS & CERTIFICATIONS

Programming Languages: Python, JavaScript, TypeScript, SQL, C, Java, HTML5, CSS3

Frameworks & Libraries: Flask, React, FastAPI, SQLAlchemy, OpenCV

Tools & Platforms: Git, VS Code, IntelliJ, Eclipse, AWS

Certifications: AWS Certified Cloud Practitioner

RELEVANT EXPERIENCE

JPMorgan Chase & Co. - Software Engineering Intern | Columbus, OH

June 2024 – August 2024

- Engineered 4 scalable FastAPI endpoints for internal video platform, boosting user engagement for 30,000+ employees
- Designed and implemented 3 dynamic React UI components, enhancing user experience and receiving positive feedback from 40+ cross-functional stakeholders
- Streamlined backend operations by developing 3 SQLAlchemy service functions, optimizing PostgreSQL data workflows and improving system scalability
- Contributed to analytics tracking implementation, enabling data-driven insights to improve platform performance and user engagement metrics

Emerge Inc. - AI & Web Dev Intern | Avon Lake, OH

May 2023 – August 2023

- Designed and deployed 4 AI-driven web applications using Flask and ChatGPT's API, streamlining workflows and reducing operational costs by \$60/month
- Developed an AI chatbot for real-time weather alerts, cutting JSON generation time by 97% and improving service for 25,617 residents
- Automated critical weather reporting processes, significantly reducing manual effort for leadership and enhancing decision-making efficiency
- Self-taught full-stack web development in a fast-paced environment, delivering optimized UI designs and seamless database operations with minimal supervision

PROJECTS

HACKOHI/O (Hackathon) - 1st place out of 75 teams | Team of 4

October 2024

- Developed a smart parking application to tackle the inefficiencies of locating available parking spaces, transforming a frustrating process into a seamless experience for users
- Harnessed Computer Vision and Machine Learning to deliver real-time parking lot descriptions and availability updates, enhancing usability and convenience
- Collaborated with a multidisciplinary team to design and implement features such a machine learning model for identifying optimal parking spots and a computer vision system that detects the nearest available spaces and provides guided navigation

JPMorgan Chase & Co. Global Hackathon - 8th Place of 102 teams | Team of 12

July 2024

- Led the development of the ChaseMates project, placing 8th out of 68 teams during the JPMorgan Global Hackathon
- Created a platform designed to promote non-technical employee connections through interest-based groups
- Leveraged FastAPI and React to create a user-friendly interface, successfully raising awareness of the importance of interpersonal connections and informal clubs within the company