

# Donovin Natividad

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## EDUCATION

**The Ohio State University**  
**Bachelor of Science in Computer Science & Engineering**

Columbus, OH  
May 2025

GPA: 3.7

- Dean's List — Awarded every semester
- Relevant Coursework: Data Structures & Algorithms, Operating Systems, Databases, Software Engineering Techniques, Web Applications, Mobile Applications, Computer Networking, Intro to AI, Computer Vision

## EXPERIENCE

**JPMorgan Chase**, Columbus, OH

June 2024 – August 2024

**Software Engineering Intern, Full-Stack Developer**

- Developed 3 React UI components that improved user experience, receiving direct praise from 40+ stakeholders.
- Engineered 4 scalable FastAPI endpoints for video sharing platform, boosting engagement for 30,000+ employees.
- Streamlined backend operations by developing 3 SQLAlchemy service functions, optimizing PostgreSQL data workflows and improving system scalability.
- Enabled analytics tracking for 30,000+ employees, facilitating data-driven decisions that improved platform performance and engagement.

**Emerge Inc.**, Avon Lake, OH

May 2023 – August 2023

**Software Engineering Intern, AI & Full-Stack Web Development**

- Created and deployed 4 AI-driven web applications using Flask and ChatGPT's API, streamlining workflows and reducing operational costs by \$130/month.
- Spearheaded the implementation of AI chatbot for real-time weather alerts, reducing JSON generation time by 97%, benefiting 25,942 residents with faster emergency updates.
- Deployed an AI-powered document search tool, enabling users to find relevant forms with natural language queries, reducing search time by 91%.

## PROJECTS

**Labyrinth (Mobile Game)** | Team of 3

January 2025 - Present

- Built an interactive gyroscope-controlled maze game in Kotlin using Jetpack Compose, focusing on a modern, responsive UI, implementing 6 views to enhance the player experience.
- Implemented Firebase Authentication, enabling seamless user sign-in via email/password and Google, with integration for 2 authentication models.
- Designed and implemented a real-time leaderboard system with Firestore, utilizing 3 models and view models to track and display completion times.

## ACHIEVEMENTS

**DataFest (Hackathon) - 1st place - Best Insights** | Team of 4

March 2025

- Analyzed commercial real estate trends using Pandas, NumPy, and Matplotlib to identify key factors driving business migration across U.S. cities, providing actionable insights to Savills through a data-driven presentation.

**HACKOHI/O (Hackathon) - 1st place out of 42 teams** | Team of 4

October 2024

- Engineered a real-time parking discovery web application using machine learning and computer vision, reducing search time by 78% and cutting expected wait time by 7 minutes per user.

## SKILLS

**Programming Languages:** Python, Java, C, JavaScript, TypeScript, SQL, Kotlin, HTML, CSS

**Frameworks & Libraries:** FastAPI, Flask, Spring Boot, React, SQLAlchemy, Jest, OpenCV, Pandas, NumPy, Matplotlib

**Tools & Platforms:** Git, VS Code, Android Studio, IntelliJ, Amazon Web Services (AWS), Figma, SolidWorks, Confluence

**Certifications:** AWS Certified Cloud Practitioner