

# Jonathan Carlo

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## EDUCATION

**Bina Nusantara University** – Tangerang, Banten

*Expected September 2027*

**School of Computer Science** - Bachelor of Computer Science

**GPA : 3.91/4.00**

*Concentrations:* Intelligent Systems

*Honors :* Head of Technic, BINUS TV Club (2024–2025)

*Relevant Coursework :* Machine Learning; Natural Language Processing; Speech Recognition; Software Engineering; Artificial Intelligence; Database Technology; Algorithm Design and Analysis; Deep Learning; Computer Vision

## PROFESSIONAL EXPERIENCE

**Bina Nusantara University** - Camera Assistant Binus Inauguration 2024

*September 2024*

- Accomplished smooth camera operations during the Binus Inauguration 2024 event with minimal technical interruptions, by assisting with camera setup, operation, and live adjustments throughout the program.
- Contributed to the successful documentation of a high-attendance event (10,000+ new students) as measured by full coverage of all main agenda segments, by coordinating closely with the lead cameraman to capture key stage and audience moments.

## LEADERSHIP EXPERIENCE

**BINUS TV Club** – Head of Technical Department

*February 2024 - Present*

- Led technical operations for over 10+ student-led productions and events as measured by successful technical execution and positive feedback, by assisting and supervising the usage and maintenance of video, audio, and broadcasting equipment of BINUS TV.
- Ensured smooth execution of live event productions and shoots at BINUS University as measured by minimal technical disruptions and successful multi-camera coverage, by managing audio-visual systems and coordinating with crew from various departments during live events and shoots.
- Helped elevate BINUS TV Club's organizational performance as measured by improved skill levels and production quality among junior members, actively training over 250+ members in broadcasting, equipment handling, and live production techniques by keeping a culture of technical excellence and teamwork in a healthy working environment.

## PROJECTS

**CineSpark AI** – [Website](#) – [Source Code](#)

**ReactJS | PostgreSQL | LangGraph**

- AI-powered pre-production assistant designed to revolutionize the way filmmakers plan, visualize, and bring their stories to life, with integrated payment system.
- Utilized PostgreSQL for database storage, ReactJS for the user interface, Paddle for payment system, and LangGraph with FastAPI for RESTful API backend

**VISPA** – [Website](#) – [Source Code](#)

**NextJS | PostgreSQL | Flask**

- VISPA is an interactive sign language learning platform designed to help users learn sign language through a combination of video lessons, interactive quizzes, and real-time sign detection
- Utilized PostgreSQL for database storage, NextJS for the user interface, and model trained using scikit-learn with Flask for RESTful API backend

**TemuBicara** – [Website](#) – [Source Code](#)

**ReactJS | PostgreSQL**

- A platform that connects speakers with event organizers while providing a secure and transparent payment system to empower lesser-known voices.
- Utilized PostgreSQL for database storage and ReactJS for the user interface, made in less than 30 hours for GarudaHacks 6.0 Hackathon.

## SKILLS

- Languages:** JavaScript, Python, SQL, HTML, CSS, TypeScript, C
- Developer Tools:** Git, Docker, Supabase, VSCode, Vercel
- Libraries/Frameworks:** ReactJS, NextJS, PostgreSQL, Flask, FastAPI, Pandas, Scikit-learn, TensorFlow, LangGraph
- Native Indonesian Speaker; Fluent in English
- Experienced in managing live productions and shoots using professional-grade broadcast equipment and software (VMIX, OBS, Premiere Pro)