

Jesus A. Donaciano

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EDUCATION

The University of Scranton

Scranton, PA

Bachelor of Science in Computer Science

Expected May 2026

- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Software Engineering, Intro to Databases, Computer Architecture, Real-Time Systems, Data Communications and Networks, Linear Algebra

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, Java, C/C++, C#, SQL, HTML, CSS, Bash

Frameworks: React, Next.js, Node.js, Express.js, Flask, Spring Boot,

Databases: PostgreSQL, MySQL, SQLite, MongoDB

Cloud & DevOps: AWS (S3, RDS, CloudFront, Elastic Beanstalk), Azure, Google Cloud Platform, Docker, Git/GitHub

Other: CI/CD, Agile Development, REST APIs, UI/UX, VS Code, IntelliJ IDEA, Cursor IDE, Claude

INDIVIDUAL PROJECTS

Syllabus to Calendar | *Node.js, TypeScript, React, Express.js, GPT-4o, Tailwind CSS*

Sept 2025

- Engineered a web app that converts course syllabi into interactive calendars, enabling students to auto-track assignments and exams.
- Designed a universal syllabus parser combining GPT-4o reasoning with regex fallbacks, achieving **95% accuracy** on 50+ uploaded syllabi.
- Built RESTful backend APIs and React frontend with responsive Tailwind UI, reducing manual input time by **80%**.

Cloud Storage Uploader | *Spring Boot, React.js, AWS S3, PostgreSQL, Docker*

Aug 2025

- Developed a secure full-stack file upload system featuring JWT-based authentication and role-based access control.
- Designed REST APIs in Spring Boot and React drag-and-drop uploads, achieving **10GB concurrent upload stability** across AWS S3 and RDS.
- Configured **CI/CD deployment pipeline** with Docker and Elastic Beanstalk, achieving **99.9% uptime** and seamless scalability.

Personal Portfolio Website | *React, TypeScript, Vite, Tailwind CSS, Framer Motion, GSAP, Sass*

Oct 2025

- Built a fully responsive **personal developer portfolio** showcasing software projects and technical blogs.
- Integrated four real-world projects with detailed technical descriptions, smooth scrolling, and mobile-first design.
- Built with React and TypeScript using Vite for optimized builds and deployed on Vercel with SEO and accessibility enhancements.

ACADEMIC PROJECTS

Weblog Blog Platform | *Java, Maven, PostgreSQL, JDBC, BCrypt, Docker*

Oct 2024

- Built a CRUD-based blog platform with secure login/registration using BCrypt encryption.
- Implemented MVC architecture, improving maintainability and reducing code duplication by 25%.
- Containerized PostgreSQL database with **Docker Compose** for deployment and testing.

TCP Group Chat Application | *C, TCP, Docker, AWS, Team of 3*

Nov 2024

- Implemented a TCP-based group chat system supporting multi-client communication and authentication.
- Collaborated using Git for version control to ensure secure, modular, and reliable architecture.
- Used **Docker Compose** to containerize PostgreSQL and backend services for reproducible deployment.

Real-Time Systems Car Controller | *Java, LeJOS, Multithreading, PID Control*

Apr 2025

- Programmed an autonomous Lego EV3 car using LeJOS with multithreaded Java control loops.
- Applied synchronization primitives and PID control for accurate navigation and obstacle handling.