FRANZ ELIJAH (EJ) MATUGAS
Software Developer | franzmatugas.com | github.com/EjMat8
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EDUCATION
Santa Clara University, Santa Clara, CA
Bachelor of Science in Computer Science, June 2026
GPA: 3.8
Relevant Coursework: Theory of Algorithms, Data Structures, Embedded Systems, Operating Systems, Advanced Programming, Computer Networks

Fullstack Academy Web Development Bootcamp, New York City, NY
Software Engineering Certificate, May 2022

TECHNICAL SKILLS
- Proficient: Node, Express, Javascript, React / Redux, Next.js, React Native, Chakra-ui, Sequelize, PostgreSQL, Git, HTML5, CSS3, Python, C/C++, MongoDB, NoSQL, Mongoose.

EXPERIENCE
GBCS Group | Software Developer Intern | Calgary, Canada (09/2024 - 12/2024)
- Enhanced the Fleet Management Software Platform by implementing real-time vehicle tracking and route optimization using Django and Google Maps API, reducing fuel costs by 20%
- Designed and developed React interfaces for the corporate website and fleet platform, enhancing user experience and performance across devices
- Collaborated with 3 cross-functional teams to develop the corporate website, enhancing brand visibility and showcasing the site at the company's annual convention.

Santa Clara University | Teaching Assistant | Santa Clara, CA (09/2024 - 12/2024)
- Teaching Assistant for CSCI 10 (Intro to Computer Science) Lab, taught in Python and C++.
- Assisting 30+ students with debugging code, troubleshooting issues, and clarifying programming concepts.
- Collaborating with the course instructor to develop and review lab materials, ensuring alignment with course objectives and enhancing student learning outcomes.

Higala | Software Engineer Fellow | Philippines (06/2024 - 08/2024)
-Higala is poised to become the Philippines' answer to Zelle, led by an engineer with a track record of successful startups in Silicon Valley.
- Acquired specialized knowledge in payment systems through hands-on experience with the Mojaloop Foundation, deepening expertise in financial technology solutions.
- Integrated Mojaloop standards into Node.js API maintenance, optimizing payment gateways for greater efficiency and compatibility.

TECHNICAL PROJECTS
Ecommute | INRIX Hackathon Ecofriendly Routing Application | Devpost
- Utilized INRIX Routing API to develop routes that minimize environmental impact.
- Built interactive maps in React with Leaflet, enhancing route visualization and user engagement.
- Engineered backend solutions to assess and display key eco-friendliness metrics like CO_2 emissions and fuel efficiency.

Cryptozon | Social Media-Marketplace Application | Demo - Github
- Led a team of four developers, leveraging the PERN stack for a seamless NFT marketplace user experience.
- Utilized Thirdweb to develop and deploy secure smart contracts, enhancing transactional reliability and automating NFT trading functionalities.
- Implemented Moralis to manage decentralized data storage, ensuring fast and reliable access to blockchain events.