

Felipe Sanchez

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| Miami, FL

EDUCATION

Duke University Major: Bachelor of Science in Computer Science and Mathematics (Double Major) GPA: 3.30/4.00 <ul style="list-style-type: none">Relevant coursework: Computer Architecture, Linear Algebra, Data Structures & Algorithms, Databases	Aug 2024 – May 2028 Durham, NC
Christopher Columbus High School WGPA: 5.43 SAT: 1540 AP Classes: 14	Aug 2020 – May 2024 Miami, FL

WORK EXPERIENCE

MasTec, <i>Asset Management Intern</i> <ul style="list-style-type: none">Analyzed SEC filings (10-K, 10-Q, 8-K, proxy) for 40+ companies to extract revenue trends and debt ratios for investment research at a Fortune 500 infrastructure firmBuilt Python scripts to automate data extraction, reducing manual review time and enabling faster financial analysis for the team	May 2025 – Aug 2025 Coral Gables, FL
Duke Venture Group, <i>Investment Analyst & Mentor</i> <ul style="list-style-type: none">Selected as 1 of 33 analysts (from 200+ applicants) in Duke's competitive undergraduate VC programCompleted VC fundamentals workshops; attend speaker events with industry professionalsSupport due diligence and partner projects with VCs (Maven Ventures, Camber Creek, Mudita VP)	Sep 2025 – Present Durham, NC
Miami Jewish Health, <i>Software Engineering Intern</i> <ul style="list-style-type: none">Developed React components and RESTful APIs for healthcare applications with Node.js, ExpressImplemented JWT-based authentication and contributed to Agile team workflows	May 2023 – Aug 2023 Miami, FL

PROJECTS

GitFlow AI Analytics Platform, <i>Personal Project</i> <ul style="list-style-type: none">Architected full-stack Git analytics application using React, TypeScript, Node.js, PostgreSQL, and Docker with real-time GitHub integration via Chrome extension and OAuthDeveloped machine learning pipeline for merge conflict prediction using historical repository data and engineering metricsBuilt ROI calculation engine to quantify engineering bottlenecks and project potential cost savings; implemented CI/CD pipeline with GitHub Actions and comprehensive monitoring	June 2025 – Present
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LEADERSHIP & ACTIVITIES

Fundación Sanar, <i>Founder of North American Branch</i> <ul style="list-style-type: none">Raised over \$10,000 for pediatric cancer treatment in Colombia through outreach and service campaignsFounded "Tapas Para Sanar" initiative across 3 Miami schools, collecting over 200,000 bottle caps to support fundraising efforts	Aug 2023 – Present
CCHS Cybersecurity Club, <i>Founder & President</i> <ul style="list-style-type: none">Founded and led cybersecurity club; team placed 2nd at 2023 SFISSA Hack-The-Flag competition.Led CodeMania! 2023 hackathon team to develop "Tiki," an AI chatbot for personalized recommendations; presented project at University of Miami event	Sep 2020 – May 2024
Mathematics tutor, <i>Independent Tutor</i> <ul style="list-style-type: none">Built a math tutoring business that generated \$5,000+ in revenue; improved student SAT/ACT math scores	Aug 2022 – Present
Duke Applied Machine Learning, <i>Member</i> <ul style="list-style-type: none">Built models (logistic regression, random forest, XGBoost) to predict customer churn; identified contract length and usage patterns as key drivers	Sep 2024 – Present

SKILLS & INTERESTS

- Languages:** Python, TypeScript, C, C++, SQL, Java, Javascript
- Technologies:** React, Node.js, Express, PostgreSQL, Docker, Git
- Interests:** Reading, Soccer, DJing, Pickleball, Running

