CLAUDIA SUAREZ

<u>csuarez.socorro@gmail.com</u> | (437) 445-5004 | Ajax, ON, Canada <u>LinkedIn</u> | <u>GitHub</u> | <u>Portfolio</u>

Technical Skills

Programming Languages: Python, JavaScript, Java, Kotlin, C/C++, SQL, PL/SQL, R, Shell Scripting

Web Development: React, Next.js, Node.js, Express.js, HTML5, CSS3, Tailwind CSS, Bootstrap, EJS,

REST APIs

Mobile Development: Android (Kotlin/Java), React Native, Cross-platform development

Database Technologies: Oracle SQL, PostgreSQL, MongoDB, MySQL, Room Database, Mongoose

Cloud & DevOps: AWS (S3, DynamoDB, EC2, Cognito), Docker, CI/CD, GitHub Actions

Development Tools: Git, Visual Studio Code, Android Studio, Blender, Maven, npm

Data Analysis: Statistical modeling, Algorithm design, Data visualization, Machine learning concepts

Education

Seneca Polytechnic (Toronto) - Advanced Diploma in Computer Programming and Analysis (Co-op)

2023 - 2025 GPA: 3.9/4.0

University of Havana (Havana) - Bachelor of Arts in Mathematics

2017 – 2021 GPA: 4.38/5

Professional Experience

IT Service Desk, Financial Services Regulatory Authority

September 2024 - December 2024

- Provided efficient technical support and IT operations assistance while actively participating in corporate social responsibility initiatives, including United Way fundraising events.

Research Assistant, University of Havana

2020-2022

- Led research in epidemiological modeling through developing stochastic simulations in Python, applying statistical methods, and publishing findings.

Projects

COVID-19 Simulation Model | Python, NumPy, Matplotlib, Statistical Analysis

- Developed sophisticated SIDARTHE-based stochastic simulation model achieving high accuracy in epidemiological predictions and won Grand Prize in Academic Event with Gold Medal in Applied Mathematics.

Band Radar - AI Concert Discovery App | React Native, TypeScript, Claude AI API

- Built cross-platform mobile app integrating Spotify API, Google Maps, and AI-powered recommendations with OAuth authentication, real-time location services, and personalized music analysis

Fragments Microservice | Node.js, AWS, Docker

- Developed cloud-based data management system supporting multiple formats and real-time conversions with comprehensive CI/CD pipeline, and scalable architecture

ByteBasket Food Bank Platform | React, Node.js, PostgreSQL

- Led 5-member team developing full-stack application with multi-role authentication and responsive UI supporting inventory management and volunteer coordination

Hotel Management System | Java, JavaFX, MySQL

- Created comprehensive reservation system with dual interfaces (kiosk + admin) implementing MVC architecture with real-time availability and integrated billing.