Sergio Rojas-Aguilar

609-382-1421 | Sergrojas29@gmail.com | github.com/Sergrojas29 | 8709 Dittmar Oaks dr, Austin TX 78748

About me

I embarking on my professional journey in NYC, I initially delved into the realm of architecture at Simplex. However, amidst the twists and turns, my true passion for computer sciences emerged as a guiding force. The pivotal moment came at the close of the pandemic when I decided to align my career with my intrinsic calling.

Transitioning into the dynamic realm of software development, I began my by immersing myself in diverse programming languages. My journey culminated with comprehensive training as a full-stack developer, unleashing my potential to craft innovative solutions in the digital sphere.

Yet, my fervor for growth doesn't halt there. Beyond the confines of the professional arena, I am committed to continuous learning. Whether through enrolling in courses or honing additional skills, my overarching goal is to increase my value both personally and professionally. I aspire to be a perpetual learner, contributing not only to my own advancement but also to the success of the ventures I am a part of.

Education

Full-Stack Developer Certification
2023
Rutgers University
57 US Highway 1
New Brunswick, NJ 08901-8554

B.S. in Architecture
2012- 2017
New Jersey Institute of Technology
School of Architecture and Design
323 Martin Luther King Jr. Blvd,
Newark, NJ 07103

Development Projects:

Trip Buddy
Trip Buddy was creating for the avid traveler. Our platform enhances your journeys, allowing you to effortlessly discover exciting activities and destinations worldwide. Leveraging the power of the MERN stack, we've developed a dynamic and secure site, seamlessly integrating backend and frontend technologies. Multiple accounts are supported, ensuring a personalized and interactive travel companion for every user.

Tech Blog
Solo venture, create a Social Media Site, powered by a robust REST API. Users can explore posts from others, share their thoughts through comments, and create their own engaging content. The secure site, backed by MySQL, facilitates real-time data access across multiple devices. The focus on user experience extends to seamless interactions and data management.

Purr-fect Cat Cafe
Purr-fect Cat Cafe was our mock website. Aspiring patrons can sign up seamlessly on our platform. The foundation of this project REST API on mySQL2 and Sequelize for a dynamic JavaScript-driven database. Express and Sessions ensure a server-side user state, while the server and routes are efficiently managed. The HTML is rendered dynamically using Handlebars, crafting a delightful online experience for cat enthusiasts.

Nutrition Tracker
Take control of your health with our Nutrition Tracker, a valuable tool for monitoring calorie intake and nutritional aspects of your diet. While currently a static site in its early development, the project showcases a vision for tracking and saving data on a single device. The implementation involves sophisticated API calls from diverse databases and frameworks, culminating in a visually appealing site that prioritizes user-friendly health monitoring.

Technical Skills

Backend:	MERN, REST, NodeJS, ReactJS, Express, MongoDB, HandleBars, MySQL, AWS, GitHub, Sessions, JWT
Frontend:	JavaScript, HTML5, CSS, Material UI, Bootstrap
Architecture:	AutoCAD, Revit, Rhino3D, Maya3D
Creative:	Photoshop, Illustrator, Premier, InDesign, Lightroom, Blender3D
Professional:	CMD, Gitbash, Excel, Visual Basic, Word, Outlook, PowerPoint, Access

Professional Work Experience

CAD Design II - Standarders Advocate New York Metro Area
2016-Present
Johnson Controls
60 E 42nd St,
New York, NY 10165

Key Projects:

One Vanderbilt (2018 - Present):

Embarking on the monumental task of overseeing the construction of One Vanderbilt, a soaring 63-floor edifice, my role encompassed the design and calculation drawings for the entire building, excluding mechanical floors. I witnessed the evolution of the project from its core construction to the current phase of tenant fitouts. A notable achievement has been the meticulous maintenance of a clear file structure, particularly the creation and organization of master files for over 30 tenant projects within this iconic structure.

NBCUniversal (2019 - Present):

At NBC Universal, I took charge of a transformative project aimed at streamlining the existing building's historical project data dating back to 2009. This involved the conversion of past records into a clear master set, ensuring accessibility and coherence. My responsibilities extended to the design and calculations for each conversion to a new system. Leveraging information gathered from the field and programming, I successfully created a master set, providing a concise and comprehensive drawing collection that reflects the evolution of this dynamic environment.

Role in Company:

Standards Advocate

- NICET Certified 2021
- Building Code - NFPA 14 , International Building Safety
- Create full set of Drawing for each Project
- Program and Calculation from contract drawings
- Submittal Set - Bill of material, techincal documents, and contact information
- Company Software - TrueDesign, SimplexTools, Smart Panel
- NYC FDNY stanards

CAD design II

- Training new Hires
- Contract drawing conversion to JCI Standards
- Network wire diagrams
- Submittal Set - Bill of material, techincal documents, and contact information
- Addressing and circuit wiring for devices in the system

Professional References

C. Ryan Burns
Chief Operating Officer
Burns Secuirty Inc.
(603) 817 0274

Cathy Stengaard
Design Project Coordinator
Johnson Contorl Inc.
(973) 652 1485