

# Daniel Segarra

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danielsegarra.dev

## OVERVIEW

Result-driven software engineer with a passion for empowering others through digital literacy, fostering equitable access to digital spaces, and bridging the gap between technology and diverse fields. Expertise in leveraging full-stack development, web technologies, and psychology-driven UI/UX design to create innovative solutions and drive positive change. Brings a meticulous approach, strong problem-solving abilities, and a passion for accessibility and user-centric design to every project while promoting leadership, cooperation, and accountability.

## EDUCATION

**Hunter College** - GPA: 3.1

Bachelor of Arts in Computer Science  
Minor in Mathematics

New York, NY  
May 2019

## SKILLS

**Programming:** C++, JavaScript (ES6+), Python, Bash, OCaml, Rust, Java

**Web:** HTML, CSS, JS, React, Redux, Sass, TypeScript, Tailwind, Django, Node, Express, OpenAI, REST, GraphQL, Stripe, Firebase, JQuery, PHP, Vercel, Vue

**UI/UX:** Illustrator, Figma, Sketch, Adobe XD, Canva, Reveal.js

**Operating Systems:** macOS, Linux, Windows 10

**Spoken Languages:** English, Spanish

## EXPERIENCE

**The Knowledge House**

Manhattan, NY

*Instructor*

July 2023 – August 2023

- Delivered an engaging and comprehensive workshop with the Double Discovery Center at Columbia University, to high school students from first-generation and low-income backgrounds, focusing on color theory, typography, psychology-driven UI/UX, HTML, and CSS.
- Adapted teaching methods to meet the unique needs of diverse learners, ensuring comprehension and skill development in digital design concepts.
- Collaborated with partner site staff and utilized effective communication and course management strategies to maintain strong relationships and support student success.

**Change Food for Good**

New York, NY

*Course Coordinator & Instructor*

July 2020 – October 2023

- Web development introductory curriculum consisting of semantic HTML, CSS, object-oriented JavaScript, and UI/UX fundamentals (e.g. *accessibility, color theory, prototyping, and identity*) all alongside industry standard tools.
- Evaluated and facilitated student progress through dynamically curated coursework and long-term guides to refine and expand their skillsets within and beyond the program and secondary education.

*Full Stack Developer*

March 2020 – June 2020

- Reduced client's workload through web and mobile services, automating the logging, management, analysis, and visualization of data points fed by PlotBot monitors in hydroponic and aquaponic systems.
- Provided clients the ability to subscribe to and terminate additional services, purchase monitoring units, and donating, all in a PCI-compliant manner, via Stripe.

## LEADERSHIP AND ACTIVITIES

**TNR Certification** (*Neighborhood Cats*)

May 2023

**Agricultural Technology Apprentice** (*The Urban Wild*)

Summer 2019

**Student Software Developer** (*CUNY Tech Prep*)

June 2018 – May 2019

**Secretary** (*Eugenio Maria de Hostos Puerto Rican and Multicultural Club, Hunter College*)

Fall 2017

**Indoor Track & Field** (*New York City Museum School*)

2011-2015