

SANTIAGO RODRIGUEZ

Bronx, NY 10453

📞 347-600-2359 ✉️ svntiago@gmail.com 🌐 [sjrodriguez-iii](https://www.linkedin.com/in/sjrodriguez-iii) 🌐 [svntii](https://www.github.com/svntii) 🌐 [svntiago.com](https://www.svntiago.com)

EDUCATION

University Of Notre Dame

September, 2020 – May 2024

Bachelor of Science in Computer Science

Notre Dame, IN

- Minor in Innovation & Entrepreneurship
- Hipp-Beeler Scholarship Recipient

TECHNICAL SKILLS

Languages: Python, C/++, Swift, Objective-C, Java

Developer Tools: VS Code, Xcode, Vim

Technologies/Frameworks: Linux, MacOS, GitHub, JUnit

Relevant Coursework: Algorithms, NLP, Computer Vision, Compilers, Operating Systems

EXPERIENCE

Apple

May 2023 – August 2023

Software Engineer Intern

San Diego, CA

- Joined the Enterprise Education Technologies Boost Team and actively contributed to the development of customer features and internal tooling.
- Architected a swift framework that leveraged SPI's and XPC services to enhance the overall customer experience.
- Worked with interns in the iContest to create a compelling visual abstract, and pitching the feature to senior executives.
- Tested, screened and triaged bugs by viewing device logs and finding a clearer, defined way of reproducibility.
- *Skills: Swift/UI, Objective-C, X-Code, IPC, ScreenTime, Device Management*

BILL

January 2023 – May 2023

Software Developer

San Jose, CA

- Joined the Developer Platform API team.
- Focused on splitting processes off monolith engine into scalable Lambda micro-processes.
- Implemented an end-to-end AutoPay feature endpoint that would enable seamless integration between applications.
- *Skills: Java, Gradle, RESTful API, OpenAPI, Junit, Micronaut.*

PROJECTS

EyeTrack | OpenFace, MediaPipe, PyTorch

August 2023

- Developed a real-time computer vision system to detect and track a user's gaze accurately via camera feeds and converted into mouse movements for seamless control.
- Implemented noise reduction techniques as a critical layer to fine-tune the accuracy of the model's output, ensuring a smooth and reliable user experience.

The Country Market | Flutter, C#, .NET, AWS, Kubernetes

March 2023

- Co-founded a startup that offers a plug + play modular autonomous store.
- Responsible for anything software related to the company - Digital infrastructure, Product Development, Back-end Services, Client/Customer UI development.

B-Minor Compiler | C, Bison, Flex

September 2022

- Constructed a working compiler that transforms C into x86 assembly.
- The project was broken down into five steps, requiring the construction of a scanner, parser, type checker, source translator, and code generator.
- From this project I was able to learn topics ranging from the abstract theory of automata to the very practical details of assembly languages.

LEADERSHIP

Colorstack

September 2022 – Present

Chapter Ambassador

Notre Dame

- A Tech non-profit cultivating a cross-campus community focused on community building, academic support, and career development opportunities at scale.
- Currently in the process of establishing a chapter at Notre Dame.

Wabruda

September 2020 – Present

Vice President

Notre Dame

- All Male-black club on Campus whose mission is focused on empowering members, cultivating community, and spirituality.