

Santiago Rodriguez

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EDUCATION

University of Notre Dame, Computer Science
May 2024 | Notre Dame, USA
Minor: *Innovation & Entrepreneurship*
Hipp-Beeler Scholarship Recipient
GPA: 3.6





TECHNICAL SKILLS

C/C++/Obj-C	<div></div>
Java	<div></div>
Python	<div></div>
Swift	<div></div>

PROFESSIONAL EXPERIENCE

Apple, Software Engineer <ul style="list-style-type: none">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: <i>Swift/UI, Objective-C, X-Code, IPC, ScreenTime, Device Management</i>	May 2023 – Aug 2023 San Diego
BILL, Software Engineer <ul style="list-style-type: none">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: <i>Java, Gradle, RESTful API, OpenAPI, Junit, Micronaut</i>	Jan 2023 – May 2023 San Jose

PROJECTS

EyeTrack, Computer Vision / Software Developer  <ul style="list-style-type: none">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.Skills: <i>OpenFace, MediaPipe, PyTorch</i>	Aug 2023 – Current
The Country Market, Co-Founder / Lead Developer  <ul style="list-style-type: none">Co-founded a startup that offers a plug + play modular autonomous store.Responsible for anything software related to the company - Digital infrastructure, Dev-ops, Product Development, Backend Services, Client/Customer UI development.<i>thecountrymarket.org/</i> Skills: <i>Flutter, C#, .NET, AWS, Kubernetes, React-Native</i>	Mar 2023 – Current
B-Minor Compiler, Compilers and Language Design  <ul style="list-style-type: none">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.Made in <i>C, Bison, and Flex</i>.	Sep 2022 – Dec 2022

LEADERSHIP

Colorstack, Chapter Ambassador <ul style="list-style-type: none">A Tech non-profit cultivating a cross-campus community focused on community building, academic support, and career development opportunities at scaleCurrently in the process of establishing a chapter at Notre Dame.	Sep 2022 – Current
Wabruda, Vice President <ul style="list-style-type: none">All Male-black club on Campus whose mission is focused on empowering members, cultivating community, and spirituality.	Sep 2020 – Current Notre Dame