

# Valentina Brambila Grando

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## Education

Georgia Institute of Technology, Atlanta, GA

August 2018 – May 2022

Candidate for Bachelor of Science in Computer Science – GPA: 3.83/4.0

## Skills

**Technical:** Python (Proficient), HTML (Proficient), CSS (Proficient), JavaScript (Familiar), Java (Proficient), C (Intermediate), SQL(Intermediate)

**Languages:** Portuguese (Native), English (Fluent), German (Fluent), Spanish (Fluent), French (Intermediate)

## Experience

**Apple, Cupertino, CA (remote in Atlanta, GA)**

*Software Engineering Intern*

May 2021 – August 2021

- Lowered on-device testing queue time for Siri by 31% by implementing Dynamic Device Allocation in the Siri Devices Cloud Center team.
- Used **Swift** to gauge usage of devices during testing and identify devices that had been idle for a specific amount of time chosen by users to allocate testing devices to different configurations automatically based on the need/usage of others.
- Increased device availability on Siri devices by 33% on the current test time-frame by dynamically allocating idle device between pools.

**Salesforce, San Francisco, CA (remote in Rochester, NY)**

*Software Engineering Intern*

May 2020 – August 2020

- Pioneered the development of a Slack Bot with the **Slack API** and **Python**, to decrease time of the lookup and tracking of post-incident reports in the Site Reliability Engineering Team at Heroku by integrating and querying the internal software used to track incidents, called GUS.
- Spearheaded the creation of an interface with **Tkinter.py** for displaying the incidents and documentation pending, as well as their dates, during downtime of the platform for updates and/or authorization barriers.

**NCR Global Headquarters, Atlanta, GA**

August 2019 – December 2019

*Software Engineering Part-time*

- Engineered a web application with **Angular.js** for one of NCR's initiatives to automatize the previously manual process of credential authorization for NCR's technical events, speeding up the process by up to approximately 50%.
- Refined code in **Java** applications in production for NCR initiatives, increasing test coverage up to 20%.
- Collaborated with a team of full-time developers to develop web-applications within a SCRUM environment.

*Software Engineering Intern*

May 2019 – July 2019

- Collaborated with other 7 interns to create a **Java** app for monitoring real-time data and NCR services through a dashboard.
- Integrated an alerting system built with **Python** to notify team engineers if the application displayed any noticeable outages.
- Instated endpoints for a CRUD API in use by NCR Points of Sale and costumers as well as new testing models for online applications.
- The tracking and visualizing solution cut down troubleshooting time in NCR's target operations by 90% and up, besides providing the ability to troubleshoot internal services' problems and recognize a problem before it is noticed by the customer.

## Projects

**Pincident - Google Sprint Program**

February 2021 – May 2021

- Instituted a **JavaScript**-based web-application, powered by **Java Servlets** and **Google SQL Cloud**, that helps people feel safer visiting places around their city by providing them a possibility to drop a pin (and see pins from other users) if they were the victim of any type of discrimination in that establishment.
- Collaborated with 2 other Computer Science students to create Pincident using technologies such as **HTML**, **CSS**, and **AJAX**.
- Made use of **Leaflet API** and **Google Maps API**, to implement an interactive map in which users can search for locations with live search, drop pins on the map and see pins from other users.
- Focused on building the connection between the front and back-end of the app by integrating forms that connected to our database, API endpoints and Java Servlets that made requests such API in orders to gather information needed for the page.

**3<sup>rd</sup> place overall in NCR Corporation's Global Internal Hackathon**

July 2019

- Kickstarted the creation of a centralized cloud-based tax engine based on **Java** that will eventually become NCR's universal online/offline tax calculator with a team of 8 interns.
- Eliminated the need for manual code changes on every POS system/eCommerce module whenever laws or tax rates change.
- Diminished by 95% the time of onboarding and maintenance for a new POS regarding taxes, which was 40 to 48 hours of onboarding before our solution and variable for maintenance.

**Jamming – Capstone Project – Online Course**

February 2018

- Programmed a **JavaScript**-based Web-Application that finds songs according to an inputted word, puts them in an editable list and gives the user the option to add them as a new playlist in their Spotify account.
- Used **AJAX**, **Node.js**, **React.js** and the Spotify API to create a back-end structure to my project, which makes the process of building a playlist approximately 20% faster.