

MARCELO GANDELMAN COSTA

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

B.S. in Computer Science candidate

August 2017 – May 2021

- **Concentrations:** Intelligence and Information Internetworks
- **Overall GPA:** 4.00/4.00
- **Relevant Coursework:** Intro to Object-Oriented Programming Using Java, Data Structures & Algorithms Using Java, Design and Analysis of Algorithms, Intro to Artificial Intelligence, Computer Organization and Programming Using C, Objects and Design – Android Development, Intro to Computer Vision, Computer Systems & Networks
- **Skills & Technologies:** Java, Python, JavaScript, React, Django, CSS, HTML, Android SDK, Android Studio

WORK EXPERIENCE

Twitter, Inc.

June 2020 – August 2020

Software Engineering Intern

- Full-stack development for the MoPub team at Twitter. Developed a brand-new tool end-to-end in a 10-week internship.
- Created web-app UI in React, using a proprietary components library. Developed REST API and models in Django. Testing with Jest and Django testing framework. Maintains thousands of packages with tens of thousands of units per package.
- Developed data pipeline from PostgreSQL database to Hadoop Distributed File System and Manhattan key-value database (massive scale). Cron-scheduled jobs in Python and Scala, interacted with one of the biggest Druid clusters in the world.
- Reduced 1 month-long, manual process to an automated process that takes a couple of seconds. Allowed for the creation, edit and overview of inventory. Allowed for cleaner analytical data to be obtained from user interactions with inventory.
- Learned GIT source control and code review standards for a large, prominent tech company. Developed industry-standard knowledge of workflow concepts, such as how to effectively utilize development, staging and production environments.

Georgia Institute of Technology - College of Computing

August 2019 – December 2019

Teaching Assistant – Computer Organization and Programming Using C

- Lectured class of 75 students twice a week, created class material and manually graded homeworks and exams.
- Assisted around 250 students in the development and implementation of projects in C, Assembly and CircuitSim in a Linux (Ubuntu) environment, as well as maintained a collaborative lab space for students to work on problems together.
- Taught fundamentals of programming and efficient memory allocation in C and Assembly, as well as circuit design.

Itaú Unibanco

June 2018 - July 2018

Technology and Operations Intern

- Streamlined format of Service Level Agreement for international clients, creating an easily modifiable template (VBA).
- Focused on 20+ international clients (mainly American banks), who operate on the Brazilian market daily.

PROGRAMMING EXPERIENCE

Dyne – HackGT 6 Winning Project

October 2019

Back-end Developer and Team Lead

- Winning project at HackGT 6. 1000 total participants. App offers creative new way to order meals at restaurants.
- Back-end of iOS application in Swift. Parsed JSON information from NCR's API. Git and GitHub for version control.

Bits of Good

August 2019 - Present

Software Developer

- Full-stack development of a Social Media web application for a local nonprofit.
- Development in JS, Next.js, MongoDB and Mongoose. Git for version control.

Computer Vision and Deep Learning for Android App

August 2019 – December 2019

Full Stack Developer

- Full stack development of object detection application, which provides visual assistance to drivers.
- Front-end in Java, using Android Studio. Back-end in Python, using TensorFlow for loading and preprocessing data, as well as building, training and reusing models. TensorFlow Lite used for deployment in Android application.

Hackathons: HackGT 5, HackGT 6, SwampHacks

Affiliations: SHPE (Society of Hispanic Professional Engineers), BRASA, Bits of Good, VGDev, GT College of Computing

Languages: Portuguese – native, English – fluent, Spanish – conversational