

# GUZMAN VIGLIECCA

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## EDUCATION

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### Northeastern University, Boston, MA

College of Computer and Information Science.

Sept. 2019 - Present

Candidate for a Master of Science in Computer Science.

Expected graduation: May 2021

Related courses: Programming Design Paradigms, Mobile App Development, Algorithms,  
Software Engineering, Machine Learning, Software Vulnerabilities.

**Awards: Fulbright Scholarship.**

### Uruguay State University, Uruguay

Bachelor's Degree in Electronic Engineering.

Mar. 2011 - June 2017

Related courses: Object Oriented Programming, Behavior-based Robotics,  
Real Time Embedded Systems, Numerical Methods.

## TECHNICAL KNOWLEDGE

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**Languages:** Java, Python, C, C++, Javascript.

**Frameworks:** Android, ReactJS, Express.js, Qt C++.

**Software:** AWS, Git, Android Studio, Unity, Matlab.

**Systems:** Linux, macOS, Windows.

## WORK EXPERIENCE

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### Northeastern University - United States

Sept. 2020 - Present

*Graduate Teaching Assistant*

- Teaching Assistant for the graduate course Mobile Development.
- Supporting the professor by grading assignments, holding office hours, writing sample codes and other course-related tasks.

### Amazon - United States

May. 2020 - August 2020

*Software Development Engineer Intern*

- Developer for Amazon's Alexa Health team. Developed a website in ReactJS that interacted with several AWS services and an Alexa Skill.
- Setup and configured AWS services such as AWS Cognito, AWS DynamoDB, AWS Lambda, and others, to interact with the website.
- Created an Alexa Skill that received queries from the user and interacted with the website to provide a response.

### Ikatu - Uruguay

Sept. 2017 - July 2019

*Software Developer*

- Developed three Android applications related to home automation in Java, one of them released in the Play Store.
- Created a program in JavaScript that allowed one of the company's home controllers to interact with the Google Assistant (Assistant's App). The App was released in the market.
- Used the C++ SDK of a Multi-touch screen to develop the software of an interactive showroom.
- Proposed changes in the implementation of three different technological products in order to make them compliant with the GDPR data protection law, that resulted in being implemented and the products released to the market.

**Electric Vehicle Design - Uruguay**

May - Sept. 2017

*Assistant Engineer*

- - Worked in conjunction with Engineers and Ph.D.'s from the University of Río Cuarto, Argentina to design and build the control system of an electric car.
  - Developed the firmware of different micro-controllers in C that interacted with the sensors of the car and were used as the input for the control system.

**Engineering State University - Uruguay**

Aug. 2015 - Mar. 2018

*Assistant Engineer and Mathematics Assistant Professor*

- - Assistant professor of Analysis and Linear Algebra courses of the Mathematics Department, giving lectures and grading projects and tests, over the course of 5 semesters.
  - Assistant in the Electrical Department in a project that aimed to design and develop an autonomous platform to remotely sense water quality. Designed and developed part of the micro-controller's firmware in C.