Carlos Henríquez

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EDUCATION

Massachusetts Institute of Technology　　　　　　　　　　　　　　　　　　Cambridge, MA
M. Eng. in Computer Science　　　　　　　　　　　　　　　　　　　　　　　March 2019
B. Sc. in Electrical Engineering and Computer Science　　　　　　　　　　　　June 2017
<u>*Relevant Coursework*</u>: Advanced Natural Language Processing, Intelligent Multimodal Interfaces, Computational Linguistics, Human Intelligence Enterprise, Database Systems, Computer Systems Engineering, Software Studio, User Interface Design and Implementation, Design and Analysis of Algorithms, Communicating with Mobile Technology, Artificial Intelligence

EXPERIENCE

Uber – *Software Engineer*　　　　　　　　　　　　　　　　　　　　October 2019 – Present
- Backend engineer on the Money Payments Platform team.

United States Army Reserve – *35F All-Source Intelligence Analyst*　　　March 2019 – Present
- Specialist with TS-SCI clearance training to support cyber protection team in conducting defensive cyber operations.

MIT STEP Lab – *Graduate Researcher, TaleBlazer Team*　　　　　　June 2018 – March 2019
- Thesis Title: *Using Bluetooth Low Energy to Enhance Ad Hoc TaleBlazer Multiplayer Mechanics*
- Developed Bluetooth module for cross-platform communication to add multiplayer functionality to TaleBlazer, a platform for middle and high school students for creating location-based augmented reality mobile games.

Intel Corporation – *Software Engineering Intern, Data Center Group*　　June – September 2017
- Joint role as business analyst and software engineer on market intelligence team studying current and future market trends.
- Created competitor network visualization included in white paper delivered to Executive VP.
- Automated data ingestion pipelines for data from third-party vendors and scrapers to Postgres using Python and shell scripts.

Facebook – *Software Engineering Intern, Messenger for Android*　　　　June – August 2016
- Implemented identity key verification and conversation initiation over NFC for Messenger for Android's secret conversations.
- Designed, developed, and documented internal NFC module to facilitate future NFC integrations.

Harvard Business School – *Summer Venture in Management Program*　　　June 2016
- Selected as 1 of 92 participants from 3,000 applicants for management fellowship working with and learning from HBS faculty.

Middle East Entrepreneurs of Tomorrow (Jerusalem) – *Co-President, CS Instructor*　　August 2015 – June 2017
- Led yearly recruitment of 30 CS and business instructors to teach over 200 Palestinian and Israeli high school students.
- Designed curriculum for and taught introductory Python and programming fundamentals to 70 students for 3 weeks.

Gruppo Loccioni (Ancona, Italy) – *User Experience Design Intern*　　　June – July 2015
- Designed and prototyped new interface for web-based energy management system using Bootstrap, SASS, and jQuery.

Shoobx, Inc. – *Software Development Engineering Intern*　　　　　　June – August 2014
- Implemented work-item locking, created browser-based tests, and wrote scripts for database migrations in startup environment.

LEADERSHIP

MIT EECS Department – *6.00 Teaching Assistant, Head TA*　　　　February 2015 – March 2019
- Worked with professors to design exams, problem sets, auto-graders, and recitations for introductory CS class of 620 students.
- Managed overall course logistics and led staff of 15 teaching assistants to teach weekly recitations and host weekly office hours to explain Python and computer science fundamentals.

Gordon-MIT Engineering Leadership Program – *Gordon Engineering Leader*　　September 2015 – June 2017
- Leader in selective leadership training program focused on developing emerging leaders in engineering industry.
- Actively coached, advised, assessed the performance and conducted performance assessment of team of 7 first-year program students with support from highly trained leadership program staff, providing candid written and verbal feedback.

Nu Delta Fraternity – *Webmaster, Rush (Recruitment) Chair, Steward*　　February 2014 – February 2017
- Managed $30,000 budget for nightly meals and house events, including formal dinners and recruitment events.
- Updated and maintained brother profiles and brotherhood philanthropy events on Angular-based website.

HackMIT – *Organizer*　　　　　　　　　　　　　　　　September 2014 – September 2016
- Organized 1000+ person 24-hour hackathon, working alongside logistics director to ensure timely setup, cleanup and smooth flow, and with corporate relations director to secure funding from sponsors.

SKILLS

- **Programming:** Python, Java, JavaScript, HTML/CSS, Android, Node.js, Git, Linux, Postgres, SQL, MongoDB, Golang, Arduino, D3.js, PyTorch, Keras
- **Languages:** Native Spanish speaker, working Italian proficiency.