

# Carlos Henríquez

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## EDUCATION

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### Massachusetts Institute of Technology

*M. Eng. in Computer Science*

*B. Sc. in Electrical Engineering and Computer Science*

Cambridge, MA

*Mar 2019*

*Jun 2017*

## EXPERIENCE

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### Uber - Software Engineer, Money Commerce Lifecycle

*Oct 2019 - Now*

- Backend engineer supporting company-wide migration building generalizable money movement systems.
- Improved audit-readiness by creating data ingestion pipelines for failed driver disbursements, increasing test coverage to 80% of 2 key services, and driving service-to-service request authorization for 20 service endpoints.

### US Army Reserve - 35F All-Source Intelligence Analyst

*Mar 2019 - Now*

- Specialist with TS-SCI clearance training to conduct defensive cyber operations with cyber protection team using network monitoring tools such as Security Onion, Bro/Zeek, and Snort.

### MIT STEP Lab - Graduate Researcher

*Jun 2018 - Mar 2019*

- 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 - Software Engineering Intern

*Summer 2017*

- Joint role as business analyst and software engineer on Data Center Group's market intelligence team studying current and future market trends.
- Automated data ingestion pipelines for data from third-party vendors and scrapers to Postgres using Python and shell scripts. Created competitor network visualization included in white paper delivered to Executive VP.

### Facebook - Software Engineering Intern

*Summer 2016*

- Implemented identity key verification and conversation initiation over NFC for Messenger's secret conversations.
- Designed, developed, and documented internal Android NFC module to facilitate future integrations.

### Gruppo Luccioni (Ancona, Italy) - User Experience Design Intern

*Summer 2015*

- Designed and prototyped new interface for web-based energy management app using Bootstrap, SASS, and jQuery.

## LEADERSHIP

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### MIT EECS Department - Head TA for 6.00 - Intro to CS

*Feb 2015 - Mar 2019*

- Designed exams, problem sets, auto-graders, and recitations with professors for intro CS class of over 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

*Sep 2015 - Jun 2017*

- Actively coached, advised, and assessed the performance of team of 7 first-year program students with support from highly trained leadership program staff, providing candid written and verbal feedback.

### Middle East Entrepreneurs of Tomorrow (Jerusalem) - Co-president, Instructor

*Aug 2015 - June 2017*

- Led yearly recruitment of 30 instructors computer science and entrepreneurship instructors to teach over 200 Palestinian and Israeli high school students.
- Designed curriculum for and taught programming fundamentals in Python to 70 students for 3 weeks.

### Harvard Business School - Summer Venture in Management Program

*Summer 2016*

- Selected as 1 of 92 participants for one-week management training program offering participants a broader understanding of the challenges business leaders face.
- Participated in 14 case study discussions led by HBS faculty ranging in disciplines such as geopolitical strategy, corporate ethics, entertainment marketing, strategic management, and entrepreneurship, among others.

## SKILLS

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**Languages:** Python, Java, Golang, Javascript, HTML, CSS, SQL, MongoDB, Spanish, Italian

**Technologies:** Git, Spring, Kafka, Node.js, Android, Linux/Unix, Avro/Thrift, Hive