

## EDUCATION

**Georgia Institute of Technology (Online Campus) | M.S. in Computer Science | Expected Fall 2023**

**Boston University | B.A. in Computer Science | 3.3 Major GPA | May 2020**

## TECHINICAL SKILLS

- Proficient in: Python / Java / JavaScript / HTML / CSS / Flask / Selenium / jQuery / Bootstrap / Linux / Git / Perforce
- Experience in: Go / Thrift / SQL / MongoDB / Kafka / Flink / C++ / CircleCI / C / NodeJS / Swift / Subversion

## RELEVANT EXPERIENCE

**Software Engineer | Facebook Inc. | August 2020 – Current**

**Teaching Assistant | Boston University Spark! | Sept. 2019 – Current**

- Lead assistant for a software engineering course where students develop a technical product from start to finish.
- Holds office hours for 2 hours a week to assist students in assignments and their product creation journey.

**Software Engineer Intern | Facebook Inc. | May 2019 – Aug. 2019**

- Developed a remediation software for thousands of production network switches in Facebook's infrastructure.
- Composed a new API for other teams to interact with the software to encourage cross functional interactions.
- Built the actively running application using Python, object-oriented programming techniques, and Apache Thrift.

**Software Engineer Intern | Akamai Technologies | May 2018 – Oct. 2018**

- Co-created a tool that streamlines how the team processes over 300 technical incidents regarding Akamai's products.
- Produced features including an in-browser text editor, an email/desktop notification system, and an updated UI.
- Completed the production quality tool using a stack of Flask, SQLAlchemy, jQuery, and Bootstrap.

**Course Assistant | Boston University | Sept. 2017 – May 2020**

- Co-leader of a one-hour weekly lab to assist a class of 30 students in the second programming course for majors.

**Software Quality Assurance Intern | Mindera Inc. | Jun. 2017 – Aug. 2017**

- Developed testing scripts using Selenium WebDriver for a variety of the web applications created at Mindera.

## EXTRACURRICULAR EXPERIENCE

**Boston Hacks Head of Technology | Boston University | Jan. 2019 – Dec. 2019**

- Oversaw the production of 7 open source projects built in various languages to support the Hackathon community.

**Hack4Impact Technical Lead | Boston University | Feb. 2018 – Dec. 2019**

- Led a team of 6 engineers in the pro-bono creation of an iOS app that supports Catie's Closet, a local non-profit.

**TEALS Volunteer | Microsoft Philanthropies | Aug. 2018 – Dec. 2018**

- Volunteered in a local high school 3 times a week to support teachers in instructing computer science fundamentals.

**MAHacks Mentor/Judge | MAHacks | Feb. 2018**

- Mentored, evaluated, and provided feedback to a group of 300 high school students on their technical projects.

**OpenWeb Workshops Chair | Boston University | Jan. 2019 – Dec. 2019**

- Organized workshops lead by the clubs members to help teach SWE skills to the greater BU community.

## PROJECTS & AWARDS

**RateBnB | Oct. 2018**

- Co-developed a web application that determines the value of a listing on Airbnb using Flask and external API's.
- Winner of Best Website Hack at HackUMassVI

**DataDrivesUs | Apr. 2018**

- Co-built a web application in NodeJS to allow users to see what data can be easily accessed by any developer.
- Won HackTheHeights2' Grand Prize.

**Paneless | Feb. 2018**

- Co-designed a MacOS application in Swift to allow users to save certain layout configurations of screen displays.
- Won Hack@Brown 2018's prize for best hack made by a group of mostly first-time hackers.

**Grow with Google Mobile Web Challenge Scholarship | Jan. 2018**

- Received a scholarship from Google and Udacity to participate in an online course about mobile web development.

## **PUBLICATIONS**

**Using streaming data and Apache Flink to infer energy consumption.** Manuja DeSilva and Michael Hendrick. 2020. Using streaming data and Apache Flink to infer energy consumption. In Proceedings of the 14th ACM International Conference on Distributed and Event-based Systems (DEBS '20).