

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

TECHINCAL 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 – May 2020

- 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.

EXTRACURRICULUAR 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

DataDrives.US | 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).