

# Endi Caushi

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## EDUCATION

### Wentworth Institute of Technology

*Bachelor of Science in Computer Science, Minor in Applied Mathematics and Data Science*

**Boston, MA**

August 2022

- **Overall GPA:** 3.94/4.0; **Awards:** Dean's List (Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020)
- **Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Databases, Discrete Math, Computer Organization, Network Programming, Differential Equations, Linear Algebra & Matrix Theory, Probability and Statistics

## WORK EXPERIENCE

### Akamai Technologies

*Software Engineer*

**Boston, MA**

September 2020 – Present

- Currently leveraging PostgreSQL and TimescaleDB to build a system to capture, store, and analyze power consumption data which reduces costs and downtime
- Identified and prevented 4 different SQL/JS injection vectors which prevented potential data leaks
- Refactored PHP backend to more efficiently handle high volume SQL queries allowing more usage and increasing throughput by 40%
- Improved the security of Akamai's internal Consumer Registry and OAuth provider with Flask and React

### Akamai Technologies

*Software Engineer Intern*

**Boston, MA**

May 2020 – August 2020

- Developed and released a new page with PHP and React in Akamai's main data analysis system, allowing users to see and understand traffic forecast data to increase planning efficiency by 30%
- Configured MySQL Foreign Data Wrapper into PostgreSQL to enable integrated querying of MariaDB data from PostgreSQL, which led to fixing field type incompatibilities for some MariaDB fields
- Presented 2 projects and 1 feature at division-wide meetings and implemented feedback from 4 co-workers

### Wentworth Institute of Technology

*Big Data Research Assistant*

**Boston, MA**

November 2019 – Present

- Currently researching novel sentiment analysis technique
- Created Python script that handles Streaming Data from Twitter or scrapes 3000 tweets/min from the Twitter API.
- Performed sentiment analysis using PySpark on ~100GB file of tweets and visualized results using different graphs and dashboards

## TECHNICAL SKILLS

**Languages:** Java, Python, Ruby, PHP, JavaScript, SQL, R, C, C#, Dart, XML, HTML/CSS

**Frameworks/Platforms:** Android, Flask, Rails, Zend (PHP), Spark, React (Antd), REST APIs, OAuth, Parse

**Tools:** MongoDB, MySQL, PostgreSQL, TimescaleDB, Highcharts, ORY Hydra, Docker, Git, JIRA, Confluence

**Industry Knowledge:** Agile / Scrum, CI / CD, TDD, Code Reviews

## SOFTWARE PROJECTS

### Microblog (Individual) <https://young-tor-93348.herokuapp.com>

- Developed sample microblog app that includes secure user signup, login, password reset, account management, blogging and asymmetric user following using **Ruby on Rails**
- Deployed blog on **Heroku**

### Instagram Clone (Individual) <https://github.com/mrendi29/EndisInstagram>

- Created Instagram clone on **Android** that includes user login, signup, blogging, symmetric user following, fragments, RecyclerViews, intents, pull-to-refresh, pagination, user persistence using **Java**, **Parse** and **MongoDB**
- Implemented feed on RecyclerView to create dynamic list views and used 3 Fragment components to smoothly switch between tabs