

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

- 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
- Presented 2 projects and 1 feature at division-wide meetings and implemented feedback from 4 co-workers

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

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