

# Christofer Washington Berruz Chungata

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## EDUCATION

University of Bridgeport, Bridgeport, CT USA

B.S. Computer Science and Mathematics

Expected Graduation: May 2021

GPA: 4.00 / 4.00

## WORK EXPERIENCE

Software Engineer Intern

May – Aug. 2020

*Pure Storage*

Remote – Mountain View, CA

- Built and benchmarked a Java function logger using both bytecode instrumentation with ByteBuddy and Aspect-Oriented Programming with AspectJ.
- Increased robustness of logger to perform accurately in a multi-tenancy environment.
- Designed and deployed a PostgreSQL database with a PostgREST server in Docker containers to collect and store data from the Java function logger.
- Wrote PLSQL procedures to UPSERT information on the database and post-process data.
- Deployed the system as a set of git commits to increase test granularity and improve test turnaround time.

## TECHNICAL SKILLS

- **Languages:** Python, Go, Java, C#, SQL, MATLAB, JavaScript.
- **Software:** HTML5, Bootstrap 4, CSS, SCSS, React, NodeJS, npm, Git, Docker, Linux CLI, Bash, MySQL, PostgreSQL, PostgREST, Maven, ByteBuddy, AspectJ.
- **Relevant courses:** Deep Learning, Computer Vision, Data Structures, File Structures, Algorithms, Database design, Data and Computer Communication, Functional Programming, Object-Oriented Programming, Computer Architecture.

## PROJECTS

Multi-threaded Prime Counter (coursework)

*Built using:* Java, IntelliJ

- Developed a program that efficiently stores records of class instances using a binary file partitioned into fixed-size blocks to improve reading and writing time by taking advantage of the underlying byte addressable memory.

UB Registration System (coursework)

*Built using:* Python, MySQL, SQL, GCP

- Developed a python-based command line application that connects to a database in GCP and simulates the registration system at the University of Bridgeport.

## ADDITIONAL ACTIVITIES

Co-founder & Vice-president

Jan. 2019 – May 2020

University of Bridgeport Programming Club

Bridgeport, CT

- Organized and promoted Technology Speaker Series in Deep Learning, Computer Vision, and Machine Learning led by university faculty.
- Designed and organized coding competitions with the participation of students from Sacred Heart University and Fairfield University.