

Bachelor of Science (Computer Science, 3rd year)
Cumulative GPA: 3.98 / 4.0

: Python, C, Java

PostgreSQL, PL/pgSQL,
SQLite

Microsoft Word, Microsoft
Excel, Microsoft PowerPoint, Git,
Visual Studio, Valgrind

Linux, Unix,
Windows

Scientific Languages: MatLab, R,
Python

- Created user interfaces using Python and PL/pgSQL to manage and query database entries.
- Designed a relational database schema which tracks passenger

PostgreSQL.

- Implemented resource contention solutions using mutexes and condition variables to handle deadlocks and starvation in C.
- Simulated customers arriving at an airline check-in counter, where each customer is a forked child process.

- Designed a web client tool to collect information regarding a web server.
- Used socket programming in Python to explore HTTP application layer protocol and Transport Layer Security.

- Demonstrated accuracy and attention to detail through constructing a comprehensive grading rubric to mark assessments consistently.
- to aid students in their learning.
- Gained excellent time management from marking assessments for over 700 students in the class within a one week time frame.

