Thomas Cuba

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Computer Science graduate with a specialization and interest in web development, systems, cyber security, and cryptanalysis.

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TECHNOLOGIES

C | Java | Haskell

MySQL Workbench

AWS | Linux

Microsoft Windows

SPOKEN LANGUAGES

Slovak
Professional Spoken, Basic Reading/Writing

Spanish
Basic (Non-Conversational)

INTERESTS

- VR Development
- PC Building/Hardware
- Instrumental Music

EDUCATION

Bachelor's of Science in Computer Science // Mathematics Minor
Rutgers University - New Brunswick, NJ

09/2016 - 01/2020 *GPA - 3.61*

Notable Courses

- Operating Systems
- Database Principles
- Cryptography
- Internet Technology

WORK EXPERIENCE

Grader for CS 206 - Discrete Structures I
Rutgers University - New Brunswick

01/2019 - 12/2019

Achievements/Tasks

- Graded homework, quizzes, and exams for 10+ hours a week
- Helped curate a curriculum involving elementary proof methods, DFA/NFA/RegEx, and set theory
- Advised students and clarified grading decisions as well as solutions to questions

PROJECTS

Airline Booking Simulator (11/2019 - 12/2019)
- Implemented a mock website to track user flights, tickets, and bookings
- Learned the full stack of web development hands-on using HTML, JSP scriptlets with Java, Tomcat, and mySQL
- Utilized and understood AWS tools such as EC2 and RDS

Chess50 (10/2019 - 12/2019)
- Simple two-player Android chess application with local game replay support
- Gained experience with Android Studio and Java FXML library for graphics and user interface design
- Involved porting existing logic with ASCII graphics, requiring scalability and good use of software design methodology and design patterns

Tiny File System (04/2019 - 05/2019)
- A file system built in C using the FUSE library which uses a formatted flat file to simulate a disk
- Accurate representation of real-world file system infrastructure, including inodes with direct and singly-indirect blocks, manual memory management via a bitmap, and immutable disk metadata

Java Hexagon (01/2015 - 06/2015)
- Recreation of Super Hexagon, a "dodge-the-shapes" video game done with a group as an AP Computer Science A final project
- Worked in a team as the head of game design, visual design, and asset collection

EXTRACURRICULARS

Rutgers Athletic Bands (08/2017 - Present)
Trombone & Baritone

Rutgers N.B.V. A Capella (09/2016 - 05/2017)
Tenor 2