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Nithi Kumar

EDUCATION

RUTGERS UNIVERSITY NEW BRUNSWICK   **GRAD DATE:** MAY 2021
B.S. COMPUTER SCIENCE | MINOR: BUSINESS ADMINISTRATION   **GPA:** 3.526

· School of Arts and Sciences **Honors Program**
· Member of Dean's List Fall 2017, Spring 2019, Fall 2019, Spring 2020
· Mentor for Douglass Residential College- SAS DIMACS CS LLC; An engaging living and learning community for women in Computer Science (9/17-Present)
· **Selected Courses**: Data Structures, Computer Architecture, Systems Programming, Databases, Internet Technology, Distributed Systems

EXPERIENCE

APPLICATIONS DEVELOPER INTERN | MORGAN STANLEY | JUNE 2020 – AUG 2020
· Utilizing Java and Angular UI in Agile/Scrum workflow to transform outmoded trading desktop app to web app with hopes of improving trader efficiency by **20%**
· Improved efficiency by streamlining SQL database access with new Java API calls to showcase relevant Securitized Deal Information

APPLICATIONS AND SYSTEMS DEVELOPER INTERN | PRUDENTIAL | JUNE 2019 – AUG 2019
· Delivered reporting enhancements to the Employer Portal, improving customer utilization by over **50%** from previous usage, by using Java and data analysis of over **thousands** of external-facing claims reports using SQL
· Managed Agile/Scrum team as Scrum Master and achieved subject matter expertise in Cognos reporting.

RESEARCH ASSISTANT | INFOSEEKING LAB | JAN 2018 – JAN 2019
· Analyzed machine learning code written in Python with other libraries such as NLTK, Pandas, and Beautiful Soup
· Improved researching tool, as requested by clients, by adding new APIs and adding system that tracked all user steps into an exported CSV
· Streamlined and tested different user scenarios with graduate team for better test results from **15%** to **40%**.

SKILLS

Programming Languages: **Java**, **C**, Python
Analytics: SQL Server, OpenRefine, Windows OS, Linux OS, Hadoop, MapReduce
Web Technologies: HTML, CSS, Bootstrap, Flask, ASP.NET

PROJECTS

Git Version Control System:
· Used C to implement a version control system with network protocols where the server maintained a repository of projects and the client committed and fetched updates to and from the server's repository
· Worked in team of 2 – main focus was client/server architecture with TCP sockets and integrating client commands / writing add, remove, create, destroy client functionality

Cache Simulation:
· Developed program, using C, that reads a trace of memory accesses and simulates behavior of cache for that trace with read and write memory operations, FIFO replacement policies, and calculates cache hits and misses

Hadoop and MapReduce Simulation:
· Simulated HDFS actions for storing large files on local machine by creating open(), write(), read(), delete() Java APIs and using RMI for Client/Server communication

ACTIVITIES

Community Outreach Director | Women in Computer Science | April 2019-May 2020
· Manage CS Mentorship and Incentive Program in collaboration with Rutgers tech clubs
· Organize Ladies in Tech Meetup with over 100 attendees

Lead Ambassador | BUILT BY GIRLS (BBG) | Oct 2018-Present
· Recruit women from all over country to join Wave, BBG mentorship program and represent BBG at technical conferences
· Host monthly meetups as a safe space for women to discuss internships, academics, and expanding networks

Events Director | HackHers | Sept 2019-Feb 2020
· Managed all day-of events and scheduling; organized volunteers to chaperone different events
· Collaborated with STEM clubs for technical workshops and coordinated with company reps for company workshops/events

Marketing Organizer | HackRU | Nov 2018 – Present
· Posts creative content (stories and posts) for Instagram and Facebook and delegates tasks to other Marketing volunteers