Leah Prince

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Education

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY (UMBC) MAY 2025

Bachelor of Science, Computer Science GPA: 3.6 / 4.0

Honors: Center for Women in Technology (CWIT) Scholar, Louis Stokes Alliance for Minority Participation (LSAMP) Fellow, Grand Challenges Scholar

Relevant Courses: Computer Science I and II, Calculus I and II, Data Structures, Principles of Programming Languages, Statistics for Engineers and Scientists, Database Management Systems

Technical Skills

PROGRAMMING LANGUAGES: Java, Python, C++, Bash Scripting, R
UNIX/LINUX: Vim, Emacs, General Commands, Git, Docker
OTHER: Ticket Systems, Microsoft Office

Professional Experience

SOFTWARE ENGINEERING INTERN 1/2024 - PRESENT

SYSTOLIC, INC., REMOTE

- Developed and maintained software for a data transformation product on a KinD cluster in Linux VirtualBox VM using IntelliJ
- Created a plugin in Java for extracting Json keys using HashMaps, streamlining data flow searches for improved user experience
- Collaborated using Git and Gitlab for version control and creating comprehensive unit tests

UNDERGRADUATE RESEARCH ASSISTANT 6/2023 – 12/2023

UMBC DEPT OF INFORMATION SYSTEMS, BALTIMORE MD

- Implemented data representation methods such as Symbolic Aggregate Approximation (SAX) and Bag-of-Patterns (BOP) on patient ICU data using R and Python
- Created interactive data visualizations using Matplotlib
- Explored clustering algorithms such as k-means to cluster patients into healthy and unhealthy groups

UNIX INFRASTRUCTURE AND HPC STUDENT STAFF 5/2022 – 8/2023

UMBC DIVISION OF IT, BALTIMORE MD

- Ran dozens of jobs on HPC clusters using SLURM scheduler, checking operation status of nodes
- Efficiently created and modified hundreds of mailboxes using bash scripting and Git, making ticket response times twice as fast
- Provided technical support to over a thousand university staff, students, and alumni through RT ticketing service

Computing Projects

RAILROAD | *DATA STRUCTURES* 9/2022 – 10/2022

- Created a doubly-linked list to organize private data into routes in C++
- Managed memory allocation and deallocation