Eric McKinney

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Education

University of Maryland, College Park, MD
Bachelor of Science in Computer Engineering   **Anticipated: May 2026**
Cumulative GPA: 3.98

Skills

Software: Red Hat Enterprise Linux 8 (RHEL8), PyCharm, Eclipse, MATLAB, Google Workspace, Microsoft Office, Git, GitHub, VSCode, Windows Subsystem for Linux 2 (WSL2), Vim
Programming Languages: Python, C, Java, Bash

Programming Experience

Software Developer   **May 2023–August 2023**
Employee, University of Maryland Terrapin Works Software Team
- Create and maintain a command line tool for IT staff which merges data from multiple csv files using Python, supports customization via configuration file including regex filters
- Communicate with client about project requirements, prototype demos, and revisions

Red Hat System Administration I & II   **June 2022–August 2022**
Student, Red Hat Academy
- Obtain familiarity and proficiency with Linux/Unix environment and Vim
- Manage files, users, groups, permissions, networks, and processes
- Schedule tasks with cron, manage storage and logical volumes, run and manage containers, resolve boot issues, write Bash scripts, and manage and troubleshoot SELinux for files

Personal Project: Simon   **May 2022–May 2022**
Individual, Independent Project
- Produce copy of the classic color memory game Simon in Python using PyCharm IDE and Pygame library for a graphical user interface which keeps track of high-scores locally

Engineering Development and Design Capstone Project   **September 2021–March 2022**
Student, Magruder High School
- Develop application using Python in PyCharm IDE and Spotify API to generate playlists of music based on parameters determined by open applications
- Present and demonstrate project to local community
- Write research paper justifying the project and explaining the design

Honors and Awards

Dean's List   **Fall 2022–Fall 2023**