

Mitchell R. Feigenbaum

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WORK EXPERIENCE

Information Technology Intern

June 2025 – July 2025

Capgemini

Richmond, VA

- Contributed to the development and research of an internal AI solution for a Fortune 200 company.
- Discovered and patched a critical XSS (Cross Site Scripting) vulnerability in the user prompt of an internal chat app.
- Developed features using ReactJS, Python Flask, Azure Cloud, Azure Document Intelligence, and SQL.
- Delivered the following features to the AI solution:
 - Improved copy-paste functionality by adding rich/plain text options.
 - Fixes and code patches for three CVE (Common Vulnerabilities and Exposures) detected in an external code audit.
 - Improved back-end logging of user events such as button presses and settings changes.
 - Added the ability to upload PNG and JPG files and process them with Azure Document Intelligence.
- Collaborated with six senior developers in an Agile team, participating in daily Scrum meetings.

Head of Information Technology Department

November 2024 – Present

Daughter of the Stars Theater and Cultural Center

Stanley, VA

- Designed and implemented a computer networking infrastructure using Syncthing with built in security and data integrity.
- Increased security and improved operational efficiency by transitioning company computers to Linux.
- Implemented a 3-2-1 backup strategy with disk encryption for data loss prevention and increased data security.
- Categorized products within the Wix point of sale system resulting in improved sales efficiency and inventory management.

Robot Fleet Attendant

November 2024 – June 2025

Starship Technologies

Harrisonburg, VA

- Worked with artificial intelligence and computer vision systems.
- Responsible for supervising and maintaining autonomous robots operating at James Madison University.
- Assisted in the logistics, planning, and organization of on-time efficient food delivery service.

Sales Associate

August 2022 – August 2023

Boy Scouts of America

Springfield, VA

- Used intimate knowledge of the scouting program and camping to sell, market, and present products.
- Recognized as a consistent nationwide top seller in terms of revenue earned per month.

LEADERSHIP EXPERIENCE

Eagle Scout

March 2016 – June 2022

Troop 1346

Burke, VA

- Led an Eagle Project which entailed managing over 30 volunteers refurbishing a school concession stand.
- Worked over 200 hours of community service in conservation and community outreach.

PROJECTS

Enron Data Processing

April 2025 – May 2025

A collection of AWK scripts for parsing the Enron email corpus (1.3 GB of unstructured text).

github.com/mrf-dot/enron

- Harnesses the power of regex and associative arrays in AWK to efficiently process over 600,000 emails.
- Parses and cleans raw email data to perform statistical analysis such as the most frequently used words and area codes.

YT

March 2022 – December 2023

YouTube command line interface made in PowerShell

github.com/mrf-dot/yt

- PowerShell script that allows a user to watch and download YouTube videos over the command line.
- Features include playing a video from cache, downloading a video or audio file, and downloading playlists.

Blackjack

September 2023 – April 2024

Multi-call card/blackjack program written in C

github.com/mrf-dot/blackjack

- Command line program that performs various functions on a virtual deck such as picking a random card and shuffling.
- The program uses its own randomness library based on the Xorshift algorithm that is linked at compile time.

EDUCATION

Bachelor of Science in Computer Science

Expected May 2026

James Madison University

Harrisonburg, VA

- Relevant Coursework:** Database Administration, CPU Architecture, Data Structures & Algorithms, Software Development
- Organizations:** Unix User Group (Secretary, Treasurer, and Executive Board Member)

SKILLS

Technical Skills: Python, Java, C, ReactJS, PowerShell, BASH, AWK, LaTeX, Git, Flask, SQL

Systems & Administration: Networking, Microsoft Windows, Linux, macOS, Active Directory, VPN

Productivity & Collaboration: Microsoft Office, Excel, Google Workspace, Agile, Scrum, Sales, Retail, Leadership