

# Mitch Feigenbaum

Burke, VA 22015

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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, Azure Document Intelligence

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

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