

Mitch Feigenbaum

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WORK EXPERIENCE

Fast Enterprises (Incoming)

Tech Team

June 2026 – Present

Various Locations

Capgemini

Information Technology Intern

June 2025 – July 2025

Richmond, VA

- Developed a RAG (Retrieval-Augmented Generation) app utilizing OpenAI API for a Fortune 200 client.
- Discovered and patched a critical XSS (Cross Site Scripting) vulnerability in the prompt of a user application.
- Engineered full-stack features including file processing and text extraction using Azure Document Intelligence.
- Improved backend logging of client events to assist debugging using Python Flask, Psycopg2, and SQL.
- Proactively implemented rich/plain text copy-paste in ReactJS, a feature highly requested by executive leadership.
- Collaborated with six senior developers in an Agile team, participating in daily Scrum meetings.

Daughter of the Stars Theater & Cultural Center

Director of Technology

November 2024 – Present

Stanley, VA

- Designed and implemented a networking infrastructure using Syncthing with built in security and data integrity.
- Implemented a 3-2-1 backup strategy with disk encryption for data loss prevention and increased data security.
- Deployed an Atlassian Jira instance to streamline ticket resolution and support leadership goals.
- Transitioned the theater to using Toast for POS, improving record keeping and reducing existing system fees.
- Featured in the *Daily News Record* for contributions to the theater's rejuvenation project.

LEADERSHIP EXPERIENCE

Eagle Scout

Troop 1346

March 2016 – June 2022

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

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

April 2025 – May 2025

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 analyses on words, phone numbers, and area codes.

YT

YouTube command line interface made in PowerShell

March 2022 – December 2023

github.com/mrf-dot/yt

- PowerShell script that allows a user to watch and download YouTube videos using a CLI.

Blackjack

Multi-call card/blackjack program written in C

September 2023 – April 2024

github.com/mrf-dot/blackjack

- CLI program performing various functions on a virtual deck such as picking a random card and shuffling.
- Utilizes a custom-made randomness library based on the Xorshift algorithm linked at compile time.

EDUCATION

Bachelor of Science in Computer Science

James Madison University

Expected May 2026

Harrisonburg, VA

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

SKILLS

Programming & Scripting: Python, Java, C#, C, PowerShell, Bash, AWK, Git, Vim, Rust, Ruby, Haskell

Web & Data: OpenAI API, RAG, ReactJS, Flask, SQL, PostgreSQL, Azure Document Intelligence, Psycopg2, Excel

Infrastructure & DevOps: Azure Cloud, Agile/Scrum, Jira, Networking & VPN, Linux, Windows, CLI