

Matthew Eng

Data Science & Analytics | Web Development | Software Engineering

CONTACT

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EDUCATION

Bachelor of Science

Major: Computer Science

Minor: Data Science

Expected: May 2025

Rutgers University, NJ

GPA: 3.63 | Dean's List (4x)

PROGRAMMING

Java	JavaScript
Python	HTML
R	CSS
C	SQL

LIBRARIES & TOOLS

React	Pandas
NodeJS	NumPy
Vite	Matplotlib
Tailwind	PyTorch
Firebase	Sklearn
Appwrite	Hadoop
MySQL	JavaFX
Git	Android
Bitbucket	Studio

CYBERSECURITY

Linux	Elastic
Wireshark	Filebeat
AWS	Logstash

CERTIFICATIONS

LinkedIn Learning – Python
Essential Training

AWS Academy - Machine
Learning Foundations
(in progress)

WORK EXPERIENCE

Supervisor (Level 1, Level 2, and Level 2 Specialist) **Sept. 2022 – Present**
Rutgers Office of Information Technology *New Brunswick, NJ*

- Troubleshoot and resolve approximately 15 IT issues with Rutgers students, faculty, and staff per day: 15 hours per week while attending school full-time
- Manage and provide proactive support/assistance to student consultants
- Conduct 9 consultant performance reviews per semester and provide constructive feedback to improve performance and enforce accountability
- Create and modify 10 internal and external knowledge articles per month to streamline the troubleshooting and escalation processes
- Train, mentor, and email certify 15 new and promoted consultants per semester

Cybersecurity Intern **June 2024 – July 2024**
OmniSOC (Security Operations Center) *Bloomington, IN*

- Deployed Filebeat & Logstash to collect, process, and ship logged data to Elastic
- Analyzed malicious network traffic and logged data in CTF exercises
- Engaged in tabletop exercises to conduct incident response scenarios and gained insights into threat actor Tactics, Techniques, and Procedures (TTPs)
- Showcased project to mentors/CISOs, outlining a CVE via the MITRE Framework

Full Stack Web Developer **Sept. 2022 – May 2024**
Rutgers Enactus (non-profit club) *New Brunswick, NJ*

- Enhanced a website that matched employment opportunities with previously incarcerated individuals through resume parsing and other resources
- Utilized the React library to implement new features and modernize the UI
- Incorporated Firebase for authentication and database/backend capabilities

PROJECTS

Task Manager **January 2025**

Technologies: React, Vite, Tailwind, Appwrite

- Deployed a web app that allows users to create, read, update, and delete tasks
- Integrated user authentication and a minimalistic UI for security and clarity

Amazon Recommendation System **Oct. 2024 – Dec. 2024**

Technologies: Python, NumPy, Pandas, Sklearn

- Implemented and refined collaborative filtering and SVD algorithmic models to accurately predict ratings and recommend items from a 37 MB Amazon dataset
- Evaluated and optimized models using precision, recall, NDCG, and more

CNN Wildfire Detection **Oct. 2024 – Dec. 2024**

Technologies: Python, PyTorch

- Utilized YOLOv7 models for precise fire/smoke object detection in images
- Analyzed detection speed and accuracy by testing and fine-tuning adjustable parameters, including models, epochs, image sizes, and CPU/GPU

Photo Organizer **Nov. 2023 – Dec. 2023**

Technologies: Java, JavaFX, Android Studio

- Developed an app that enables users to efficiently manage and organize photos
- Optimized for seamless storage, search, and filtering of hundreds of photos