



# Matthew Eng

Data Science & Analytics | Web Development | Software Engineering

## CONTACT

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Bridgewater, NJ

## EDUCATION

### Bachelor of Science

Major: Computer Science

Minor: Data Science

Expected: May 2025

Rutgers University, NJ

GPA: 3.65 | Dean's List (4x)

## PROGRAMMING

Java	JavaScript
Python	HTML
R	CSS
C	SQL

## LIBRARIES & TOOLS

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

## CYBERSECURITY

Linux	Elastic
Wireshark	Filebeat
AWS	Logstash

## CERTIFICATIONS

LinkedIn Learning – Python  
Essential Training

AWS Academy - Machine  
Learning Foundations

## WORK EXPERIENCE

### IT Supervisor (Level 1, Level 2, and Level 2 Specialist) Sept. 2022 – Present

Rutgers Office of Information Technology

New Brunswick, NJ

- Troubleshoot and resolve **50 ServiceNow IT tickets** with Rutgers students, faculty, and staff per week: 18 hours per week while attending school part-time
- 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 manage **15 new and promoted consultants** per semester
- Evaluate and grade **45 prospective applicants** based on technical proficiency, problem-solving skills, soft skills, and overall suitability for IT positions

### 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 & 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