



Matthew Eng

Data Science & Analytics | Web Development | Software Engineering

CONTACT

(908) 313-7375
mattheweng.cs@gmail.com
linkedin.com/in/matteng34
mattheweng.netlify.app
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	TypeScript
R	HTML
C, SQL	CSS

WEB & SOFTWARE

React	Tailwind
Node.js	Vite
Next.js	Firebase
AI SDK	JavaFX
Docker	Android
Git	Studio

DATA & ANALYTICS

Pandas	MySQL
NumPy	PostgreSQL
SciPy	MariaDB
Matplotlib	Hadoop
Seaborn	Spark
Sklearn	Kafka
PyTorch	Tableau

CERTIFICATIONS

- AWS Machine Learning Foundations
- Prompt Engineering & AI Agents
- Python Essential Training
- Spark Essential Training

WORK EXPERIENCE

IT Supervisor

Sept. 2022 – Present

Rutgers Office of Information Technology

New Brunswick, NJ

- Resolve 50 ServiceNow IT tickets weekly for the Rutgers community (18 hrs/week)
- Conduct 9 performance reviews per semester, providing feedback to improve efficiency and accountability
- Maintain 10+ internal/external knowledge articles monthly to optimize troubleshooting and escalation workflows
- Train, mentor, and oversee 15 new/promoted consultants per semester
- Assess and grade 45 applicants based on technical proficiency, problem-solving, and communication skills

Cybersecurity Intern

June 2024 – July 2024

OmniSOC (Security Operations Center)

Bloomington, IN

- Deployed Filebeat & Logstash to collect, process, and route logs into Elastic
- Analyzed malicious network traffic and log data in CTF challenges
- Conducted incident response exercises, studying adversary TTPs
- Presented a CVE analysis via the MITRE Framework to mentors and CISOs

Full Stack Web Developer

Sept. 2022 – May 2024

Rutgers Enactus (non-profit club)

New Brunswick, NJ

- Built a job-matching platform for former inmates, integrating resume parsing
- Modernized UI and implemented new features using React
- Integrated Firebase for authentication and backend functionality

PROJECTS

AI Chatbot

March 2025

Technologies: Next.js, Vercel Postgres, NextAuth.js, AI SDK

- Built an AI-powered full-stack web app, enabling real-time chat and dynamic LLM-driven content generation
- Integrated React Server Components and AI SDK for optimized performance, secure authentication, and persistent data

Task Manager

January 2025

Technologies: React, Vite, Tailwind, Appwrite

- Developed a CRUD-based task management web app with authentication
- Engineered a secure, minimalist UI with Tailwind for optimal UX

Amazon Recommendation System

Oct. 2024 – Dec. 2024

Technologies: Python, NumPy, Pandas, Sklearn

- Implemented collaborative filtering and SVD to predict ratings and recommend items from a 37MB Amazon dataset
- Optimized model performance using precision, recall, and NDCG metrics

CNN Wildfire Detection

Oct. 2024 – Dec. 2024

Technologies: Python, PyTorch

- Applied YOLOv7 for real-time fire/smoke detection in images
- Fine-tuned models by adjusting epochs, image sizes, & hardware configurations