Matthew Eng

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EDUCATION

Bachelor of Science in Computer Science, Minor in Data Science　　　　　**Expected May 2025**

Rutgers, The State University of New Jersey | **GPA**: 3.65 | **Dean's List** (4x)　　　*New Brunswick, NJ*

WORK EXPERIENCE

IT Supervisor　　　　　**Sept. 2022 – Present**

Rutgers Office of Information Technology　　　*New Brunswick, NJ*

- Resolve 50 ServiceNow IT tickets weekly (18 hours) for Rutgers community, enhancing service efficiency & user satisfaction
- Conduct 9 performance reviews per semester, fostering accountability and growth
- Maintain 10+ internal/external knowledge articles monthly, streamlining troubleshooting & escalation workflows
- Train, mentor, and oversee 15 new/promoted consultants per semester, ensuring team readiness and collaboration
- Evaluate 45 applicants based on technical proficiency, problem-solving, and communication skills, improving recruitment

Cybersecurity Intern　　　　　**June 2024 – July 2024**

OmniSOC (Security Operations Center)　　　*Bloomington, IN*

- Implemented Filebeat and Logstash for efficient log management and routing in Elastic
- Analyzed malicious network traffic and log data in CTF challenges, enhancing threat detection skills
- Conducted incident response exercises, gaining insights into adversary TTPs
- Presented a CVE analysis using the MITRE Framework to mentors and CISOs

Full Stack Web Developer　　　　　**Sept. 2022 – May 2024**

Rutgers Enactus (non-profit club)　　　*New Brunswick, NJ*

- Developed a job-matching platform for former inmates, integrating resume parsing
- Enhanced UI with React, resulting in increased user engagement and satisfaction
- Integrated Firebase for secure authentication and backend functionality, improving data management

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

CERTIFICATIONS

- **AWS**: Machine Learning Foundations
- **LinkedIn Learning**: Prompt Engineering & AI Agents, Python Essential Training, Spark Essential Training

SKILLS

- **Languages**: Python, Java, R, SQL, C, JavaScript, TypeScript, HTML, CSS
- **Web/Software**: React, Node.js, Next.js, Tailwind, Vite, Firebase, AI SDK, Docker, JavaFX, Android Studio, Git
- **Data/Analytics**: Pandas, NumPy, SciPy, Matplotlib, Seaborn, Sklearn, PyTorch, MySQL, PostgreSQL, MariaDB, Hadoop, Spark, Kafka, Tableau