Matthew Skokos

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Education

University of California, Irvine, Irvine, CA - ***Bachelor of Science, Software Engineering Winter 2025***
Rutgers University, New Brunswick, NJ - ***Bachelor of Arts, English***

Skills

- Programming Languages: Python, C++, Java
- Libraries : NumPy, Pandas, NLTK, SKLearn, BeautifulSoup, RegEx, pathlib, json
- Cybersecurity and Web Protocols: Wireshark, Nmap, Hashcat, ettercap, Bash Shell, DHCP, DNS, HTTP/HTTPS, FTP, and SMTP
- Dev Tools: TDD, jUnit, Mockito, Azure DevOps, Azure ML, MySQL, Chrome/Mozilla DevTools
- Version Control: Git (GitHub, GitLab)

Experience

- OmniMed SmartOR - Data Analyst Internship June-August 2024
  - Used AzureML to create, clean and label a large, complex data set analyzing 5000 + medical instruments for a computer vision model
  - Promoted to QA/UAT Role: performed 100's of UAT's. Tested features, collected and reported data on performance, and collaborated with the engineering team to interpret and resolve 50+ issues/bugs
  - Gained hands-on experience with Azure DevOps, MobaXterm, and Linux

Projects

- Web Search Engine April 2024 - June 2024
  - Created customized tokenizer and web crawler/scraper to extract website text tokens
  - Developed search engine capable of searching 55,000 + web pages in under 300ms under harsh operating conditions. Designed relevance scoring algorithm combining vector search and PageRank
- CyberSkyline / PicoCTF National Cybersecurity Competitions October 2021/2022
  - Completed 100's of hands-on cybersecurity technical challenges in cryptography, web exploitation, forensics, reverse engineering, etc.
  - Finished with the highest score from my school's competitors in 2021 and 2022
- WordLadder January 2024 - March 2024
  - Developed a program to solve Lewis Carroll Distance Word Ladders in C++
  - Implemented ladder solver algorithm combining custom built priority queue data structure and modified BFS