James M. Smith

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Experience

Machine Learning Intern
June 2025 – Current

The Estée Lauder Companies — *New York City, NY*

- Developed an Agentic AI workflow to create a customer-facing AI chabot for product recommendation
- Created diagrams and defined tooling for Agentic AI implementation, with supporting documentation
- Created a program to gather all products into a SQLite reverse search index, normalizing product data from 30+ databases for use processing customer queries on all ELC products
- Contributed to customer facing chatbot expected to gross $1,500,000 in revenue

Programmer & Technical Analyst Intern
June 2024 – August 2024

NJ Transit — *Newark, NJ*

- Created 200+ tests across 18 suites resulting in 85% code coverage using Jest & Gherkin
- Developed CI/CD pipelines using Azure, seamlessly integrating automated unit tests into the deployment process, ensuring reliable and efficient software delivery
- Conducted comprehensive vulnerability assessments, identifying and resolving critical security issues
- Used Python and Pandas to automate gathering of information on 127 .NET projects, compiled into Microsoft Excel format with detailed documentation on projects APIs, databases, libraries, plugins, and errors

Software Engineering Intern
June 2022 – August 2022

Hats & Ladders — *New York, NY*

- Created management panel that was used by 200,000+ unique users across 200+ organizations
- Drafted, developed, & documented a company-wide administration user control panel
- Provided live management of user roles, permissions, settings, & user info in an admin facing dashboard
- Practiced SCRUM & Agile methodologies on a diverse team, across multiple time zones, working asynchronously
- Utilized Figma, AWS functions, Jenkins, ReactJS, TailwindCSS, & HTML to draft & implement control panel

Education

Oregon State University
September 2022 – June 2026

Bachelor of Engineering in Computer Science & ML/AI. Minor in Cybersecurity — *Corvallis, OR*

Relevant Coursework

- Operating Systems I&II
- Analysis of Algorithms
- Data Structures
- Computer Assembly
- Discrete Math
- Software Eng. I&II
- Web Development
- Technical Writing

Projects

Envolvly | *GitHub, Docker, AWS, React, Typescript, MongoDB*
September 2023 - Current

- Laid groundwork for tech infrastructure, resulting in a robust, scalable application reaching 1,000+ unique users
- Directly implemented cloud technologies such as AWS Lambda, Elastic Beanstalk, EC2, Git, and Firebase, creating a full stack web application with full mobile & desktop support
- Developed secure and high-performing features with focus on flexibility and user-centric design

MIT JOS | *C, C++, Assembly, OS concepts, Computer Architecture, Documentation*
March 2024 - June 2024

- Completed labs, assignments, & built an Operating system based off of MIT's JOS curriculum
- Worked directly on memory management, process management, file systems, concurrency, & kernel operations
- Practiced write-up & documentation skills in order to conceptualize, explain & teach key computing operations

Technical Skills

Languages: TypeScript, C++, Python, C, HTML/CSS, SQL, JavaScript, .NET
Frameworks: React, Express, Node.js, TailwindCSS, Jest
Developer Tools: MongoDB, CI/CD, CLI, Git, AWS, Azure, Github, Linux, Jenkins, Figma, Cloudflare
Libraries: Jest, Pandas, NumPy, Matplotlib, tkinter, Gherkin

Leadership / Extracurricular

Beaver Cheer
February 2023 – Present

Athlete — *Oregon State University*

- Demonstrated commitment & consistency executing complex skills in front of venues upwards of 35,000 spectators
- Required time management skills, with a year-round season with practice, training, & gamedays on top of studies
- Interacted with over 1,000 community members at clinics & local events, strengthening local relationships