

ROM SHEYNIS

INFORMATION SYSTEMS AND SOFTWARE ENGINEERING STUDENT

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SUMMARY

Fourth-year Information Systems Engineering student with hands-on experience in backend development. Solid understanding of computer science fundamentals, including object-oriented programming and data structures. Comfortable working across different parts of the tech stack, with a growing interest in AI and its practical applications. Fast learner, team-oriented, and focused on writing clean and maintainable code.

PROFESSIONAL EXPERIENCE

Research Assistant (LLM & AI) | Ben Gurion University

2025 March - 2025 August

- Researched LLM behavior under adversarial prompts, jailbreaks, and stress tests
- Built multi-agent simulations to test robustness, prompt injection, and memory manipulation
- Developed evaluation protocols for safety, consistency, and refusal
- Utilized Python, AutoGen and OpenAI tools
- Applied advanced prompt engineering to test and manipulate LLM behavior

Clean room engineer | Quantum Clean Global - Israel

2019 -2021

- Handled high-value Intel semiconductor components in a clean room, ensuring usability via precise micro-cleaning and repairs.

PROJECTS

Full-Stack Recipe Management Platform

- Developed a full-stack recipe app (Vue 3, Node.js/Express, MySQL/PostgreSQL) with Spoonacular API, secure auth, advanced search/filter, favorites, personal recipe management, and Dockerized backend.

[Link](#)

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++, Bash, SQL
- **AI & ML Engineering:** LangChain, AutoGen, RAG Pipelines, OpenAI APIs, MCP , Embeddings, Multi-agent Orchestration
- **Backend & APIs:** Node.js, Express.js, FastAPI, Flask, RESTful API Design, PostgreSQL, MySQL
- **Frontend:** Vue 3
- **Data Processing:** Pandas, BeautifulSoup
- **DevOps & Infrastructure:** Docker, Kubernetes, Railway, AirFlow
- **Tools & Monitoring:** Git, Linux, Wireshark, Postman, Design Patterns

EDUCATION

B.Sc in Information Systems Engineering | Ben Gurion University | GPA: 85

2022 - Present

Relevant Courses: Object Oriented Programming, Data Structures, AI, ML, Cybersecurity & Network Defense

Udemy Courses: Machine Learning, The Web Developer Bootcamp 2024, LLM Engineering

ARMY SERVICE

Avionics Technician, Nevatim Air Base, Israeli Air Force

2017 - 2019

- Maintained avionics systems, including navigation and communication equipment, ensuring readiness and efficiency.
- Contributed to the successful execution of missions by providing technical expertise and support for critical aircraft systems.

Commanders Course

2018

- Successfully completed the Israeli Commanders Course, acquiring certification to lead and manage a team of avionics technicians.

ADDITIONAL INFORMATION

- **Languages:** English, Hebrew, Russian