Rome Rachlin Software Engineer

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Summary

Rome wasn't built in a day, but every great creation starts with passion and perseverance.
I am a Computer Science student (BSc, Reichman University, started in 2023) with strong foundation in data structures, algorithms, machine learning, and object-oriented software development. Skilled in C#, Python, C, and Java with hands-on experience in building projects across systems programming, GUI design, and applied machine learning. Background as an officer in the IDF and current NOC support engineer has honed my problem-solving, teamwork, and ability to perform under pressure.

Skills

- **Languages:** C#, Python, Java, C, HTML, JavaScript, CSS, SQL.
- **Concepts:** Data Structures, Algorithms, Object-Oriented Programming, Machine Learning, Operating Systems.
- **Tools & Platforms:** Git / GitHub, Linux CLI, Azure, Jenkins, Salesforce, Kubernetes, Logz.io.

Projects

- **Bitcoin Price Tracker (Python):** Implemented API integration to fetch Bitcoin Price Index, storing results in JSON, generating hourly price graphs, and automating email delivery. Demonstrated skills in API handling, data visualization, and automation.
- **Adventure Game (Java Swing):** Designed and developed a text-based RPG with GUI, self-learning Java Swing. Strengthened OOP design, GUI development, and problem-solving.
- **Machine Learning Projects (Python):** Built and trained classification models on real-world datasets, comparing accuracy of decision trees, SVM, and logistic regression. Focused on data preprocessing, model evaluation, and feature engineering.
- **Operating Systems Projects (C):** Implemented multithreaded synchronization primitives and scheduling algorithms, applying low-level systems programming and understanding of concurrency control.
- **OOP Projects (C#, WinForms):**
  - **Garage Management System:** Developed a console-based application for managing vehicles, customers, and services. Applied OOP principles, inheritance, encapsulation, and polymorphism to create a modular design.
  - **Bulls and Cows Game:** Created an interactive number-guessing game with WinForms UI, showcasing event-driven programming, user interaction design, and C# fundamentals.

Employment Experience

NOC and Tier 1 Support Student - Thetaray 2025 – Present

- Provide first-line operational support for AI-powered AML systems during 24/7 shifts
- Monitor and troubleshoot systems using Logz.io, Jenkins, Salesforce, Azure, and Linux CLI
- Coordinate with Engineering and DevOps teams to resolve incidents and maintain SLAs
- Utilize Kubernetes fundamentals in a real-time support environment
- Document and communicate issues clearly, ensuring customer satisfaction and smooth system operations.

Military Service - IDF (2018 - 2023)

- **Platoon Commander (Lieutenant):** Led diverse teams in high-pressure environments, building strong teamwork, leadership, and decision-making skills.
- **Training & Doctrine Officer (Central Command):** Directed strategic projects on future unit development, applying data-driven analysis and long-term planning. Coordinated with cross-functional teams, strengthening collaboration and problem-solving capabilities.

Education and Pre-Military

Reichman University (IDC Herzliya) - BSc in Computer Science (2023 – Present)

- Merit-based scholarship recipient | Current GPA: 85
- **Relevant coursework:** Data Structures & Algorithms, Operating Systems, Machine Learning, Object-Oriented Programming, Databases.

Mosinzon High School (2014 - 2017)

- Graduated with distinction (average: 113)
- "Nacshon" leadership and science excellence program (Physics, Chemistry, Math, English - 5 units)

Languages & Citizenship

Languages: English (Native), Hebrew (Native)
Citizenship: U.S. and Israeli