

Daniel Gehrman

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Professional Summary

Computer Science student with experience in software development, automation, and chatbot integrations. Skilled in identifying potential issues, asking insightful questions, and optimizing software solutions. Passionate about leveraging technology for efficiency and problem-solving.

Skills & Technologies

- Programming Languages: Python, C, C++, SQL, JavaScript/HTML/CSS
 - Data Analysis & Visualization: Pandas, NumPy, Matplotlib
 - Tools & Software: Docker, Git, FastAPI, PostgreSQL, Linux
 - Communication & Collaboration: Strong questioning skills, ability to anticipate potential problems, proactive problem identification, and effective communicator.
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Education

Bachelor of Science in Computer Science (Expected 2027)

Novosibirsk State University. Novosibirsk, Russia

Experience

Independent Developer

Self-Directed Projects | 2023–Present

- Designed and built Telegram bots, with ChatGPT API integrations.
- Developed automation scripts for chatbot interactions and optimized user engagement.
- Conducted problem analysis to improve bot responses and usability.

Freelance Developer

Summer 2023

- Developed custom web scrapers using Python (Selenium, BeautifulSoup) for data extraction.
 - Built Telegram bots for automation and communication tasks, integrating external APIs.
 - Assisted clients with coursework assignments, focusing on software development and problem-solving.
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Projects

Conway's Game of Life (Gamified Version)

- Designed and implemented a gamified version of Conway's Game of Life using C++ and Raylib.
- Optimized grid-based computation and visualization techniques to improve performance.

Language Learning Bot

- Developed a Telegram bot with ChatGPT API backend and PostgreSQL for memory management.
- Enabled users to practice communication in a target language with adaptive conversation flow.

Video Editor Desktop App

- Implemented client-server API communication using Python and FastAPI.
 - Designed a backend for video processing with PostgreSQL for project storage.
 - Integrated OpenAPI for seamless documentation and improved maintainability.
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Additional Information

- Strong analytical mindset with problem-solving capabilities.
- Interest in finance, energy savings, and automation.
- Experience working with backend development and API integrations.