Ronald J. Laukaitis

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EDUCATION

Lehigh University, Bethlehem, Pennsylvania   Graduation: May 2026
Bachelor of Science in Computer Science and Business, Minor in Data Science   GPA: 3.41
Relevant Coursework: Artificial Intelligence Theory and Practice, Design and Analysis of Algorithms

PROJECTS

Alchemy   June 2024
- Developed a sophisticated CLI Python bot to automate purchases of newly created crypto coins.
- Leveraged the Solana network and API endpoints to send and manage transactions on the blockchain.
- Designed a robust algorithm to rank coins based on multiple metrics such as market cap, developer holdings, and trading volume

T-Recs   May 2024 – August 2024
- Collaborated with a team of students to develop a web-based app for tracking academic integrity violations across university departments.
- Integrated secure login features using Lehigh's email authentication system, enhancing user accessibility and data protection.
- Contributed to ongoing project design and implementation in a research-based environment, meeting academic standards and deadlines.

RonaldLaukaitis.com   April 2024 – August 2024
- Built an interactive portfolio website using React-Three Fiber and JavaScript.
- Engineered reusable, component-driven UIs in React, leveraging state management and modern best practices.
- Produced and optimized 3D models in Blender for enhanced web performance and realism.

WORK EXPERIENCE

Software Engineer   July 2025 – Present
Alpha Insight Partners, Bellevue, Washington
- Designed and implemented a threaded, asynchronous, campaign processing system, enabling parallel execution of AI analyses.
- Developed data aggregation and analytics pipelines to collect, process, and visualize key metrics, providing insights and performance tracking for users.
- Leveraged Amazon services such as RDS, ECS, and S3 with a design emphasis on scalability, modularity, and adaptability, to meet enterprise performance.

Fullstack Developer   May 2025 – July 2025
AIRLINGO, Barcelona, Catalonia
- Reduced LLM token consumption by up to 72% through prompt engineering and interaction flow optimizations, driving substantial cost savings at scale.
- Designed comprehensive Cypress end-to-end (E2E) testing suites to improve frontend stability and reliability.
- Built and deployed a role-based authentication system with fine grained permission controls.

Undergraduate Research Assistant   May 2024 – August 2024
Lehigh University, Bethlehem, Pennsylvania
- Worked within a group of 5 students to create an online student conduct database.
- Developed components of the web-app, including the reporting form and database routes.
- Tracked progress in weekly sprints to keep responsibilities and tasks organized.

LEADERSHIP

Sigma Phi Epsilon Fraternity   February 2023 – November 2024
Vice President of SigEp Learning Community
Lehigh University, Bethlehem, Pennsylvania
- Designed and implemented programs aimed at promoting personal growth among fraternity members.
- Established and maintained effective communication with university officials and local police departments.
- Spearheaded the planning and implementation of philanthropic events.

SKILLS

- **Programming & Scripting**: Python, Java, C++, Rust, JavaScript (ES6+), TypeScript, SQL, Bash.
- **Web Development**: React, React-Three-Fiber, Node.js, Express.js, Next.js, REST APIs.
- **Data & Cloud**: AWS (RDS, ECS, S3), MongoDB, PostgreSQL, ETL pipelines, Docker.
- **AI & Data Science:** LangChain, Gemini/OpenAI APIs, Pandas, NumPy.
- **Testing & DevOps:** Cypress E2E Testing, Git/GitHub, CI/CD workflows.