LUCAS SVIRSKY

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EDUCATION

Wesleyan University, Middletown, Connecticut May 2026

Bachelor of Arts, Major: Computer Science, GPA: 3.77/4.00

- *Honors*: Dean's List, Goldman Sachs Scholar
- *Membership*: CodeWes, OurCampus, WesEntrepreneurs
- *Relevant Coursework*: Computer Science I & II, Discrete Mathematics, Information Security & Privacy, Artificial Intelligence

SKILLS & INTERESTS

Programming Languages: Proficient in Python and Java. Experience with C, C++, C#, JavaScript, HTML, CSS, PHP, SML, Lua, Kotlin, TypeScript, Solidity.
Tools & Methodologies: Git, Jenkins, Google Firebase, PyTorch, TensorFlow, Pandas, AWS, Azure, Kubernetes, GitHub Actions, Docker, Flask, Redis, Django, MySQL, MongoDB, NoSQL, Linux, Unix, Agile, DevOps.
Spoken Languages: Fluent in English and Russian. Conversational in Spanish and Hebrew. Learning Cantonese.
Interests: Entrepreneurship, neuropharmacology, cognitive enhancement, fitness, software engineering, artificial intelligence, and machine learning. Sudoku sorcerer—outsmarting grids faster than 99% of players, and still somehow waiting for my Hogwarts acceptance!

EXPERIENCE

Safeway Moving Systems, *Lead Backend Developer,* Ft. Lauderdale, FL (Remote) June 2019 – Present (Part-time)

- Developed a fine-tuned LLM for speech diarization and sentiment analysis, automating customer support verification. Reduced manual oversight by 65%, resulting in monthly savings of $3,000 and significantly improving issue resolution accuracy.
- Integrated Vonage's Voice API to facilitate real-time transcription and sentiment analysis of company calls. Enabled early detection of dissatisfied customers, streamlined support workflows, and improved overall customer satisfaction metrics by 20%.
- Implemented a Flask-based interface enabling support agents to retrieve, review, and analyze transcriptions with 250% faster access. Increased agent efficiency by 35%, reduced resolution times by 25%, and provided data-driven insights that contributed to a 15% improvement in continuous process optimization.
- Built a modified A* algorithm within Samsara's fleet management system for real-time truck tracking and optimized route planning. Reduced travel time by 15%, fuel costs by 10%, delivery delays by 12%, and fleet utilization by 15%, demonstrating large operational efficiency gains.

PROJECTS

FileZero, *Project Lead & Developer*, Middletown, CT October 2024 – Present

- Led the development of a blockchain-based file-sharing platform as part of an academic project utilizing Solidity and Hardhat to create smart contracts for decentralized file tracking on an Ethereum-based local blockchain.
- Implemented client-side AES-256 encryption to ensure file confidentiality before IPFS upload, applying zero-trust principles.
- Developed Node.js scripts for file encryption, secure IPFS uploads using Pinata SDK, and file decryption.
- Demonstrated a strong understanding of blockchain technology, cryptographic methods, and decentralized storage solutions.

Novoline Solutions, ***Founder & Lead Developer***, Brooklyn, NY May 2018 – Present

- Engineered a robust Java-based client application featuring advanced user customization, automated functionalities, and real-time adjustments. Achieved a user base of over 15,000 active users, generating $300,000+ in revenue with 120% year-over-year growth
- Implemented advanced multithreading using Java's concurrency frameworks and optimized memory management with object pooling and garbage collection tuning, reducing latency by 40% and enhancing performance under heavy load.
- Integrated cross-platform compatibility, established CI/CD pipelines, and deployed load balancing, achieving a 70% reduction in deployment times and ensuring scalability with sub-100ms response times.
- Designed robust anti-detection mechanisms and security protocols to protect client integrity and ensure reliable performance for the userbase.

OurCampus, *Backend Developer,* Middletown, CT October 2022 – January 2023

- Engineered a seat notification system for Wesleyan's student app, reducing query search times by 1500x, significantly enhancing user efficiency during peak course registration periods.
- Utilized Python, JavaScript, and Firebase to build scalable backend services and real-time databases, ensuring robust performance and seamless data synchronization across the application.
- Designed REST APIs to facilitate smooth communication between frontend and backend systems, improving data retrieval efficiency by 40% and enhancing overall user experience through faster load times and reliable functionality.