Andrew Laskin

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Education

University of Florida Gainesville, FL
Bachelor of Science in Computer Science, Minor in Economics *June 2022 – Dec. 2025*

Experience

Software Engineer June 2025 – Present
Roleo - Adjunct Faculty Matching Platform *Gainesville, FL*

- Engineered a vector embedding based matching algorithm using RAG, enabling 700+ successful job placements and improving match relevancy for over 40 active users
- Architected a serverless Next.js app with MongoDB Atlas, Redis caching, and CloudFront, achieving sub 200ms API responses; implemented GitHub Actions for automated testing and CI/CD.
- Developed an admin dashboard integrated with Google Analytics and AWS Lambda, providing real time insights into user behavior and system performance.

IT Intern July 2025 – Dec 2025
Purvis, Gray and Company *Gainesville, FL*

- Automated laptop setup using Python, Playwright, and Chocolatey, reducing device setup time by 2 hour per laptop
- Documented the automation process for easy adoption across the IT team, improving onboarding efficiency and lowering error rates
- Maintained Windows Server and Active Directory environments, integrating Azure services and Atera RMM

Teaching Assistant – Programming Fundamentals 1 Jan. 2023 – May 2023
University of Florida *Gainesville, FL*

- Led instructional sessions on Python programming concepts and algorithms to audiences, achieving 95% satisfaction rate
- Facilitated hands-on coding workshops for 30 students, providing technical support

Projects

Derivatives Pricing & Stochastic Models Library | *Python, NumPy, Numba, SciPy*

- Built a full Python derivatives library implementing Black Scholes, binomial/trinomial lattices, Monte Carlo pricing engines, and analytic/finite difference Greeks optimized with NumPy and Numba.
- Implemented stochastic volatility models including Heston and SABR, featuring Monte Carlo path simulation (Euler & Quadratic-Exponential schemes), implied volatility solvers, and calibration to market IV surfaces.
- Developed calibration and pricing infrastructure including IV surface fitting, volatility term-structure construction, and Longstaff Schwartz regression for American option valuation.

ASL Letter Recognition | *Next.js, JavaScript, Tailwind CS*

- Created real time ASL letter recognition app using Next.js, JavaScript, and Tailwind CSS, deployed on Vercel
- Implemented custom algorithm-based classification system for hand gesture detection
- Designed responsive UI for seamless cross device experience

Technical Skills

Languages: Python, JavaScript/TypeScript, C/C++, SQL, PowerShell, Bash
Frameworks: Next.js, React, Flask, Express, Node.js, Tailwind CSS
Developer Tools: Git, Jira, Azure DevOps, VS Code, Docker
Cloud & DevOps: AWS (Solution Architect), Vercel, CI/CD pipelines
Databases: MongoDB, SQL, PostgreSQL, database design and management
Systems & Tools: Windows Server, Active Directory, Atera RMM, Azure services