

DAT LY

datvtly@gmail.com | (682) 256-3683 | datly.tech | linkedin.com/in/dat-ly

EDUCATION

The University of Texas at Austin	BS Computer Science & Quantitative Finance Honors	May 2025
	MS Artificial Intelligence in Natural Language Processing	May 2026
	Overall GPA: 4.00	

Coursework: Operating System, Data Structures, Algorithms, Systems Programming, Deep Learning, Discrete Math

Activities: Undergraduate Computational Finance, Q++, Meal Movement Club, Lime Connect

EXPERIENCE

Microsoft – *Software Engineer Intern*; Redmond, WA May 2024 – August 2024

- Designed a packet capture system for Azure GPU networks, cutting monitoring time by 85% for OpenAI workloads.
- Built Azure Functions APIs with 99.9% uptime, handling 250+ daily requests with a 50ms latency.
- Collaborated with cross-functional teams to deliver architecture supporting 50+ concurrent capture sessions.

NetApp(Cloud Data Management): – *Software Engineer Intern*; Austin, TX May 2023 – August 2023

- Automated client report with Power Automate, Azure, Selenium, and Docker. Saving 15 hours/week in manual labor.
- Created PowerPoint generator with SharePoint & Oracle database in Python. Reduced presentation creation time by 40%.
- Enhanced system performance by optimizing queries and adding new features, cutting response times by 15%.

AMD (Advanced Micro Devices): – *Technical Product Manager Intern*; Austin, TX September 2022 – December 2022

- Executed 1k+ QA tests for new chips with Raspberry Pi and Arduino IoT Cloud, improving testing efficiency.
- Analyzed 100k+ data points to predict thermal trends, achieving a 20% energy efficiency boost.
- Streamlined program management by synthesizing 200+ datasets in Jira, enhancing productivity by 34%.

L3Harris Technologies (Military Tech): – *Software Engineer Intern*; Dallas, TX August 2021 – August 2022

- Automated CSV report generation using REST APIs and SQL queries, streamlining Oracle database and reducing manual effort
- Developed Java JUnit tests under the Orchid IX program, reducing display system failures by 25%.
- Enhanced file transfer speeds by 15% through optimized UML and C++ functionality

PROJECTS

ASL Gesture Recognition with Deep Learning: – *Sole Developer*; Austin, TX January 2024 – May 2024

- Developed a Sign Language Detection system, achieving real-time action recognition with TensorFlow.
- Optimized an LSTM Neural Network to deliver 95% accuracy in ASL detection using keypoint extraction.
- Python | OpenCV | Mediapipe | TensorFlow | Keras | LSTM | Numpy | Scikit-learn | TensorBoard | Matplotlib

Reddit Tiktok Video Bot: – *Full-Stacked Developer*; Austin, TX May 2022 – August 2022

- Designed an automated systems utilizing web APIs to process and generate content and extend functionality for TikTok
- Reduced processing time to generate from 60 mins to 4 mins per video, 15x faster
- Utilized Python | API | gTTS | Node.js | Playwright | Dotenv

LEADERSHIPS

Microsoft TEALS Program: – *Lead Computer Science Educator Assistance*; Austin, TX May 2022 – May 2024

- Supervised and taught over 50 students within the underprivileged community without CS program
- Created 100+ daily educational plan including quizzes and homework with 95% completion rate
- Conducted discussion and study groups reinforce learning concepts and assignments

TECHNICAL SKILLS:

Languages: Python, C++, Java, R, SQL, C#, MATLAB, JavaScript/TypeScript, Ansible, Linux

Frameworks/Libraries: React.js, Next.js, Node.js, Pandas, NumPy, PyTorch, TensorFlow, REST APIs

Tools: AWS, Azure, Git, Docker, Jira, Snowflake, MySQL, Power BI, HTML/CSS, Kubernetes

HONORS & AWARDS

- Google Generational Scholar - \$10k; Michael & Susan Dell Foundation Scholar - \$25k; Scholarshot Scholar - \$25k
- The American Legion Award; Ronald M. and Marilou D. Brown Endowed Scholar

ADDITIONAL INFORMATION

Work Eligibility: Eligible to work in the U.S. with no restrictions