DAT LY

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

EDUCATION

The University of Texas at Austin Management Information System May 2025
Overall GPA: 4.00

Coursework: Data Structures, Algorithms, Database Management, Data Visualization, Web Development, Software Design
Activities: Undergraduate Computational Finance, Q++, Meal Movement Club, Lime Connect

EXPERIENCE

Microsoft – *Software Engineer Intern;* Redmond, WA May 2024 – August 2024
- Designed API to automate PCAP, utilizing Azure Kubernetes Service and Ansible, reducing setup time from 30 to 2 minutes.
- Architected PCAP system on multiple interfaces, handles up to 250 requests using Azure VMs and GPU to scale for OpenAI.
- Implemented a PCAP file download system, improving retrieval by 35% and integrating with Azure Storage for HPC

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%
- Optimized queries and implemented new features. Reduced system response time by 15% and increased productivity by 25%

AMD (Advanced Micro Devices): – *Technical Product Manager Intern;* Austin, TX September 2022 – December 2022
- Implemented 1k+ QA tests for new chips via embedded system with Raspberry Pi and Arduino IoT Cloud in Linux.
- Predicted thermal trends and performances on 100k+ of data via Python and Power BI. Improved in a 20% energy efficiency
- Engineered Jira system to synthesize 200+ data for prediction and budget projection. Improved productivity by 34%

L3Harris Technologies (Military Tech): – *Data 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
- Implemented tests for display systems using Java Junit under the Orchid IX program. Reduced display system failures by 25%
- Developed and maintained file download, upload, and transfer functionality via UML and C++. Increased transfer speed by 15%

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