Nolan Lwin

272-788-0307 | Naing.Oo.Lwin@bucknell.edu | linkedin.com/in/nolan-lwin | github.com/i-am-nolan25

EDUCATION

Bucknell University   Lewisburg, PA
Bachelor of Science in Computer Science, Minor in Economics   *Aug 2022 – May 2026*
Scholarships & Awards: Dean's Scholar, Global Scholar, Michael & Lillian Fremont Scholar, Dean's List
Relevant Courses: Data Structures & Algorithms, Computer Systems, Algorithm Design & Analysis, Operating Systems, Software Engineering & Design, Machine Learning, Deep Learning

TECHNICAL SKILLS

Languages: Python, C++, Java, C, JavaScript, HTML/CSS, Swift, Golang
AI/ML: OpenAI GPT-4, Anthropic Claude, OpenCV, Scikit-Learn, NumPy, TensorFlow, SciPy, Matplotlib, Pandas
Cloud Infrastructure: AWS, GCP, Microsoft Azure, Docker, Kubernetes
Frameworks & Tools: React.js, Angular.js, Java Spring Boot, Django, Flask, Node.js, JUnit, Express.js, Git, MongoDB, Jupyter Notebook, Figma
Architectures: Micro-services, Platform Services, RESTful APIs

EXPERIENCE

Software Engineering Intern   May 2025 - Aug 2025
Oracle   *Austin, TX*
- Incoming Summer 2025 Intern

Software Developer Intern   May 2024 - Aug 2024
Stifel   *St. Louis, MO*
- Designed and deployed cloud-native platform services for an AI-driven Wealth Management CRM using Python, React.js, and Salesforce Apex, improving performance by 25%
- Built micro-services for the Metrics Dashboard using AWS Lambda, EC2, and S3, enabling real-time tracking for 200K+ clients across hybrid cloud infrastructure.
- Refactored internal APIs and backend services, reducing latency by 30% and improving observability.
- Collaborated with 4 Agile DevOps teams to improve sprint velocity by 15% using SAFe and GitOps practices.

Machine Learning Research Intern   Apr 2023 – Aug 2023
Geisinger   *Lewisburg, PA*
- Engineered a predictive model using OpenCV and Scikit-Learn to assess Bell's Palsy severity, increasing diagnostic accuracy by 7%.
- Optimized neural network inference to accelerate model execution time by 30% on hospital systems.
- Presented research at 3 conferences, securing a prestigious research award.

Software Quality Assurance Intern   Jun 2022 – Aug 2022
StratAgile   *Singapore*
- Executed User Acceptance Testing (UAT), reducing post-launch issues by 20% across multiple platforms.
- Monitored QA metrics, achieving 1.5x reduction in defect density and improving testing efficiency.

PROJECTS

Legacy2Modern | *Python, React.js, LangChain, OpenAI GPT, Claude*   Jan 2025 – Present
- Building an AI-powered platform that modernizes legacy code such as COBOL into modern ones, integrating tracing, benchmarking, and performance metrics.
- Developing GenAI workflows using LangChain and custom agent logic for structured code refactoring.
- Designing frontend for uploading and analyzing legacy code with benchmarking dashboards.

Destinex | *Java, Spring Boot, React.js, MongoDB, Express.js, Node.js*   Nov 2023 – Aug 2024
- Built scalable backend micro-services using Spring Boot to serve a REST API for a P2P global delivery system.
- Optimized search and data retrieval, improving efficiency by 20% using NoSQL indexing.
- Developed an ML-driven recommendation system, enhancing user matching by 35%.