

Noah Buller

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EDUCATION

Lehigh University

August 2022 - May 2026

Bachelor of Science in Computer Science and Business

GPA: 3.62

- **Select Courses:** Discrete Structures & Algorithms, Operating System Design, Database Systems, Software Engineering Principles, Computer Architecture, Business Application Design, Web Systems Programming, Business Communications, Accounting

PROFESSIONAL EXPERIENCE

Javelin

March 2025 - March 2026

Software Engineer Intern - Remote

- Developed a serverless microservice in Go on AWS Lambda to validate 12 API keys twice daily, adding retry logic and DynamoDB failure logging to improve reliability
- Engineered a dynamic search-query builder supporting 8 user-facing inputs across 7 PostgreSQL tables and roughly 5,000–6,000 rows, using indexed queries and cross-table checks to increase search speed and reduce invalid query responses
- Integrated Zod-based server-side validation across 8 user-input RESTful API routes to enforce runtime schema checks and improve backend robustness and ensure correctness through new Jest test coverage

Certifydoc

May - July 2024

Software Engineer Intern - Barcelona, Spain

- Co-built a Next.js/React web app with 4 peers, delivering 3 core user-facing screens on time by integrating with existing APIs and preserving secure auth flows
- Reimplemented hashed credential storage and secure session handling in the new application to preserve a secure authentication flow across frontend and backend systems

LEADERSHIP EXPERIENCE

Lehigh University Brazilian Jiu-Jitsu Club

March 2024 - May 2026

Secretary and Cofounder

- Helped found Lehigh University's first Brazilian Jiu-Jitsu club and grew membership from zero to 200+ in GroupMe, including a peak event attendance of 65 members through outreach and member engagement
- Coordinated weekly reminders and biweekly events through email and GroupMe, helping run over 90% of practices and organize meetings with officers and coaches

PROJECT EXPERIENCE

LockerRoom

April 2026

- Built a Next.js sports platform with Supabase realtime chat, authenticated room messaging, and live sports data routes for scores and summaries
- Architected backend API layer for real-time room messaging, handling auth callbacks and live sports event data to support concurrent user sessions
- Designed live game rooms combining recent plays, authenticated chat, and event context to support real-time sports discussion

Headlines and Sidelines

February 2026

headlinesandsidelines.com

- Developed a full-stack sports news platform with React/TypeScript, FastAPI, and PostgreSQL, supporting 56+ published stories and a JWT-secured admin portal for content management
- Integrated ESPN's sports data API through a Python backend proxy with Redis caching for live NBA, NHL, and soccer scores, moving score fetching off the client to improve reliability and reduce repeated API calls
- Set up GitHub Actions CI/CD for automated linting, type-checking, and testing across the frontend and Python backend, deploying the React app to Vercel and the API to Railway with managed PostgreSQL

AigentZ & iQube Protocol

January - December 2025

- Engineered integrations with OpenAI ChatGPT and DeepSeek to enable AI-driven querying and interaction with blockchain-secured personal data payloads (iQubes) as part of Lehigh's Capstone program
- Led full cloud migration from local prototype to production, cutting downtime risk and enabling stable public deployment via EC2, Route 53, Amplify, and Secrets Manager

TECHNICAL SKILLS

- Languages and Frameworks: Java, Go, JavaScript, TypeScript, Python, SQL, React, Next.js, REST APIs
- Cloud and DevOps: Git, Docker, Kubernetes, Redis, AWS Lambda, Route 53, EC2, S3, Amplify, Cognito
- Languages Spoken: English (native fluency), Spanish (basic to intermediate)