William D. Legault

Boston, MA | Availability: April - December 2026
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Education

Northeastern University   Boston, MA
Bachelor of Science in Computer Science and Biology   Expected Graduation: *May 2027*
Coursework: Database Design, Object-Oriented Design & Cloud Computing, Algorithms & Data Structures, Cybersecurity, Theory of Computation, General Biology & Chemistry, Biostatistics, Organic Chemistry, Genetics and Molecular Biology

Technical Knowledge

Languages: Java, Python, JavaScript, TypeScript, React, React Native, Kotlin
Frameworks and Tools: MongoDB, SQLite, Firebase, Express, Supabase, GitHub, AWS, Postman, Figma

Work Experience

Northeastern University   Boston, MA
Recreation Software Developer (Co-op)   *Aug. 2025 – Present*

- Led full-stack development of a React Native fitness app and React/Node.js admin dashboard, transforming a prototype into a production-ready platform with backend services deployed via AWS and Vercel.
- Collaborated with managers to design admin workflows, implement live notifications, and streamline AWS infrastructure by optimizing database interactions and load balancer usage for performance and scalability.
- Developed, tested, and optimized the app for both iOS and Android, using crash reports and custom Notion API–based bug reports to improve reliability and user experience.

Sculpt.ai   (Remote) New York, NY
Software Engineering Intern   *Oct. 2025 – Present*

- Built a React-based web app consuming backend REST APIs for fitness and diet analytics, improving modularity, scalability, and independent deployment.
- Collaborated with engineers and domain experts to verify algorithm accuracy, implemented standardized UI components using Shadcn, and integrated full-stack workflows for rapid testing and data visualization.

Northeastern College of Arts and Media Design   Boston, MA
Immersive Media Lab Office Assistant   *Jan. 2025 – April 2025*

- Educated students on VR technology and creative platforms through workshops and presentations, working with tools like Unity, Blender, Adobe, and Rokoko motion capture Technology.
- Performed regular maintenance, troubleshooting, and keeping systems up to date.

Projects

Summit: Debt Relief – React-Native | MongoDB | JavaScript | Node.js   *Jan. 2025 – Jan. 2025*

- Developed a React Native demo app featuring an AI chatbot assistant, backed by a MongoDB-based API for user onboarding and data storage as part of a full-stack workflow.
- Designed and presented multiple stages of app demos to judges, showcasing its features of real-world problem-solving capabilities and practicing my skills in advancing the lifecycle of app development.

Cloud Web Application – AWS | SQL | Shell   *Apr. 2024 – June 2024*

- Built a scalable web application on AWS using services like EC2, S3, RDS, gaining practical experience in cloud architecture, performance optimization, and cost-efficient resource management.
- Ensured high availability and reliability by leveraging AWS tools and best practices, load balancing, and maintaining robust infrastructure for real-world applications.

Sophia: Philosophical Journal – React.js | Supabase | Node.js & Express.js   *Feb. 2025 – Mar. 2025*

- Developed a mental health-based journaling web application using React and Supabase, implementing CRUD functionality, Row Level Security Policies for tracking journaling history and streak progress.
- Developed a scalable authentication system leveraging email-based login and secure access protocols, alongside integrating dynamic UI components like a calendar feature using Node packages for UI/UX.

Interests

Skateboarding, Weightlifting, Hiking, Acoustic Guitar, Rock Climbing, Lifeguard and CPR/AED certification