

William D. Legault

Boston, MA | Availability: April - December 2026
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Education

Northeastern University

Bachelor of Science in Computer Science and Biology

Boston, MA

Expected May 2027

Integrated computer science and biology coursework focused on algorithmic modeling and quantitative analysis of biological systems: Algorithms and Data Structures, Theory of Computation, Biostatistics, Organic Chemistry

Technical Knowledge

Languages: Java, Python, JavaScript, TypeScript, React, React Native, Kotlin

Frameworks and Tools: MongoDB, SQLite, Firebase, Express, Supabase, GitHub, AWS, Postman, Figma

Relevant Knowledge: Object-Oriented Design, Data Structures, Cloud Architecture, Cybersecurity

Work Experience

Northeastern University

Lead Software Developer (Co-op)

Boston, MA

Aug. 2025 – Present

- Led full-stack development of a React Native fitness app and React/Node.js admin dashboard, evolving a prototype into a production-ready platform deployed via AWS, MongoDB, and Vercel to support over 6,000 users.
- Designed and implemented intuitive admin workflows to support user management and real-time monitoring.
- Built and optimized a cross-platform mobile app for iOS and Android, enhancing performance and reliability.

Sculpt.ai

Software Engineering Intern

(Remote) New York, NY

Oct. 2025 – Present

- Built a React-based web app to translate backend health and performance analytics algorithms for professional validation, by using public REST APIs to enhance 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.
- Gained experience integrating physiological data APIs and ensuring data accuracy and consistency.

Northeastern College of Arts and Media Design

Immersive Media Lab Office Assistant

Boston, MA

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 system maintenance, troubleshooting, and updates to ensure optimal performance.

Projects

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.

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

Jan. 2025 – Jan. 2025

- Developed a React Native demo app featuring an AI chatbot assistant, integrating a MongoDB to streamline user onboarding and data storage, while gaining hands-on experience collaborating in full-stack development.
- 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.

Interests

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