

William D. Legault

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April - December 2025

Education

Northeastern University Khoury College of Computer Sciences & College of Science

Prospective Candidate for Undergraduate Bachelor of Science in Computer Science and Biology Boston, MA

Activities: Skate club, NUHOC, Hackathons: Finhacks, VitalHacks

Sept. 2023 – May 2027

Skills

Java | JavaScript | Python | HTML & CSS | Kotlin | React | React Native | MongoDB and SQLite Databases |
Firebase | Supabase | GitHub | Figma | Cloud Computing Services: AWS | Azure | Google Cloud

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, integrating a MongoDB backend to streamline user onboarding and data storage, while gaining hands-on experience in full-stack development and database management.
- 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.

Work Experience

Northeastern College of Arts and Media Design

Boston, MA

Immersive Media Lab Office Assistant

Jan. 2025 – Present

- Educate students on VR technology and creative platforms through hands-on workshops and presentations, working with tools like Unity, Blender, Adobe, and Rokoko motion capture Technology.
- Improved equipment functionality and ensured seamless operations by managing high-value VR tech inventory, regular maintenance, troubleshooting, and keeping systems up to date.

Red Cross

Nashua, NH

Blood Drive Student Coordinator

Aug. 2020 – July 2023

- Coordinated multiple school blood drives by facilitating communication between club members, volunteers, Red Cross representatives, and school officials to ensure organizational needs are met.
- Managed volunteer scheduling and recruitment, successfully sourcing and organizing student assistants to optimize participation and efficiency.

Courses & Interests

Coursework: Database Design, Fundies 1 & 2, Object-Oriented Design & Projects in Cloud Computing, Algorithms and Data Structures, General Biology & Chemistry, Cybersecurity

Interests: Skateboarding, Weightlifting, Hiking, Acoustic Guitar, Rock Climbing, 3D Design and Game dev