

# Jordi Lopez

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## EDUCATION

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### University of Massachusetts Lowell

Lowell, MA

Bachelor of Science in Computer Science, Minor in Mathematics

Expected May 2028

- **GPA:** 3.31
- Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Logic Design, Computer Security, Calculus

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript, C/C++, SQL (Postgres), HTML/CSS

**Frameworks:** React, Node.js, Flask, Supabase

**Developer Tools:** Git, Docker, GCP, VS Code, Xcode, PyCharm, IntelliJ, CLion, GitHub Actions

**Libraries:** pandas, NumPy, Matplotlib, Selenium, AstroPy

**Concepts:** REST APIs, OOP, Data Structures, Algorithms, CI/CD, Cloud Deployment

## SOFTWARE PROJECTS

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### NightSky | Python, JavaScript, Flask, AstroPy, Git, HTML/CSS, JSON

May 2025 – Present

- Engineered a full-stack web app to render star maps based on user-provided date and location with astronomical libraries.
- Implemented a Python Flask backend with caching to reduce API calls by 40% and designed the architecture for future cloud deployment.
- Optimized performance with lazy-loading and minimal asset bundles, improving load time across devices.

### VITA Health | Swift, ESP32, BLE, Supabase, Xcode, Git, Figma, Arduino IDE

Feb. 2025 – Present

- Developed an iOS app in Swift with BLE communication to an ESP32 wearable, streaming real-time biometrics like SpO2 and heart rate.
- Built a Supabase backend enabling real-time sync across iOS and embedded devices, streamlining analytics and scalability.
- Led a 6-person team coordinating embedded programming, UI design, and data pipeline architecture for production readiness.
- Integrated unit tests and planned CI pipelines to maintain code quality.

## EXPERIENCE

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### IT and Digital Solutions Intern

June 2025 – Present

Soderberg Insurance Services

Lynnfield, MA

- Automated policy notifications with HubSpot workflows, improving customer retention by 30% through data-driven triggers.
- Redesigned and rebuilt the corporate website with HTML/CSS/JavaScript, improving SEO and reducing page load time by 35%.
- Integrated Google Analytics with data privacy safeguards, boosting conversion rates by 15%.

## LEADERSHIP & ACTIVITIES

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- **ColorStack Member** (2025–Present): Support and mentor peers with resume reviews and internship guidance within a national community of diverse computer science students.
- **Cloud Computing Club, UMass Lowell** (2025–Present): Engage in cloud architecture discussions, hands-on labs, and technical workshops to broaden knowledge of scalable infrastructure.
- **Helping Hands Volunteer, Lynn, MA** (2019–Present): Prepare and serve meals on a monthly basis to community members in need.
- **Algorithm Practice** (Ongoing): Actively solving data structures and algorithms questions on LeetCode to strengthen problem-solving skills.