

Jordi Lopez

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EDUCATION

University of Massachusetts Lowell

B.S. Computer Science, Minor in Mathematics

Lowell, MA

GPA: 3.31

- Coursework: Object-Oriented Programming, Data Structures & Algorithms, Logic Design, Computer Security, Calculus.

PROJECTS

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-integrated backend for data storage and analytics across multiple devices.
- 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

IT and Digital Solutions Intern

Soderberg Insurance Services

June 2025 – Present

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%.

TECHNICAL SKILLS

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

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

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

LEADERSHIP & ACTIVITIES

- **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.