

# JAVIER LAVEAGA AGUIRRE

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## EDUCATION

Tufts University - School of Engineering <i>Bachelor of Science in Computer Science, Minor in French</i>	<b>Medford, Massachusetts</b> May 2026
Achievements: GPA: 3.88/4.00, Dean's List 2022-2024 Relevant Courses: Data Structures, Calculus III, Probability, Statistics, Discrete Math, Linear Algebra, Algorithms, Software Engineering, Machine Learning, Visual Analytics, Machine Structure and Assembly Language Programming	
Tufts in Talloires – France abroad program	<i>May-July 2023</i>

## WORK EXPERIENCE

Tufts Technology Services <i>Application Development Intern</i>	<b>Medford, Massachusetts</b> <i>Sep 2025 – Present</i>
<ul style="list-style-type: none"><li>Developed and enhanced Open OnDemand applications for Tufts HPC cluster, including dashboards for job, storage, and resource usage reporting</li><li>Created user-facing documentation and gained hands-on experience with Linux systems and Slurm job scheduling</li></ul>	

Evident Battery Inc. <i>Full Stack Developer Intern</i>	<b>Westford, Massachusetts</b> <i>May 2025 – Aug 2025</i>
<ul style="list-style-type: none"><li>Developed responsive web interfaces in React to monitor and visualize EV battery inspection data in real time</li><li>Implemented RESTful APIs and backend services using FastAPI and Node.js for secure data handling</li><li>Designed and optimized PostgreSQL database schemas, deploying them in Docker containers</li><li>Built CI/CD pipelines with GitHub Actions to automate testing, deployment, and backups to AWS S3</li></ul>	

Tufts University - Center for Engineering Education and Outreach <i>Software Developer Research Assistant</i>	<b>Medford, Massachusetts</b> <i>Sep 2024 – Dec 2024</i>
<ul style="list-style-type: none"><li>Fixed bugs and added new features to a course website using Python and JavaScript, improving user experience and functionality</li></ul>	

*Technology Development Intern* *Jun 2024 - Aug 2024*

- Developed an interactive, web-based IDE for LEGO Education within a team of 15 using PyScript, JavaScript, HTML, and CSS for teachers and students

Tufts JumboCode <i>Software Developer</i>	<b>Medford, Massachusetts</b> <i>Sep 2024 - Present</i>
<ul style="list-style-type: none"><li>Partnered with a nonprofit to improve the management of educational resources for tutors serving adult immigrants in Greater Boston</li><li>Designed and developed a streamlined library system using Neon (PostgreSQL), Typescript, React and Clerk API</li></ul>	

Tufts University - School of Engineering <i>Research Assistant</i>	<b>Medford, Massachusetts</b> <i>Feb 2023 - Apr 2023</i>
<ul style="list-style-type: none"><li>Analyzed survey data from 3,557 students across three academic years (2020-2022) to identify patterns and trends in collaboration with the Office of Institutional Research and the Dean of Engineering</li></ul>	

## PROJECTS

### SurveyAid:

- Built and published an iOS app with React Native and Expo, enabling NGOs to generate AI-powered surveys in 180+ languages, improving community assessments and decision-making
- Integrated RevenueCat with a Cloudflare Worker proxy for subscription management and OpenRouter for AI generation

### HopOffer:

- Developed a mobile app for job discovery using React Native and Firebase, offering personalized job recommendations

## SKILLS

**Programming Languages:** C, C++, Java, Python, JavaScript, TypeScript, PyScript, HTML & CSS, SQL, MATLAB

**Software:** Microsoft Office 365, Latex, Tableau, Onshape, LEGO Robotics, Arduino, GarageBand

**Framework & Technologies:** React, React Native, Node.js, Git, GitHub, GitHub Actions, FastAPI, PostgreSQL, AWS (S3), Docker, Slurm

**Languages:** Spanish, French