

JAVIER LAVEAGA AGUIRRE

Medford, MA | javier.laveaga@tufts.edu | <https://www.linkedin.com/in/javier-laveaga/> | <https://www.javierlaveaga.com/>

EDUCATION

Tufts University - School of Engineering <i>Bachelor of Science in Computer Science, Minor in French</i> 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	Medford, Massachusetts May 2026
Tufts in Talloires – France abroad program	May-July 2023

WORK EXPERIENCE

Tufts Technology Services <i>Application Development Intern</i> <ul style="list-style-type: none">Developed and enhanced Open OnDemand applications for Tufts HPC cluster, including dashboards for job, storage, and resource usage reportingCreated user-facing documentation and gained hands-on experience with Linux systems and Slurm job scheduling	Medford, Massachusetts Sep 2025 – Present
EVident Battery Inc. <i>Full Stack Developer Intern</i> <ul style="list-style-type: none">Developed responsive web interfaces in React to monitor and visualize EV battery inspection data in real timeImplemented RESTful APIs and backend services using FastAPI and Node.js for secure data handlingDesigned and optimized PostgreSQL database schemas, deploying them in Docker containersBuilt CI/CD pipelines with GitHub Actions to automate testing, deployment, and backups to AWS S3	Westford, Massachusetts May 2025 – Aug 2025
Tufts University - Center for Engineering Education and Outreach <i>Software Developer Research Assistant</i> <ul style="list-style-type: none">Fixed bugs and added new features to a course website using Python and JavaScript, improving user experience and functionality <i>Technology Development Intern</i> <ul style="list-style-type: none">Developed an interactive, web-based IDE for LEGO Education within a team of 15 using PyScript, JavaScript, HTML, and CSS for teachers and students	Medford, Massachusetts Sep 2024 – Dec 2024 Jun 2024 - Aug 2024
Tufts JumboCode <i>Software Developer</i> <ul style="list-style-type: none">Partnered with a nonprofit to improve the management of educational resources for tutors serving adult immigrants in Greater BostonDesigned and developed a streamlined library system using Neon (PostgreSQL), Typescript, React and Clerk API	Medford, Massachusetts Sep 2024 - Present
Tufts University - School of Engineering <i>Research Assistant</i> <ul style="list-style-type: none">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	Medford, Massachusetts Feb 2023 - Apr 2023

PROJECTS

SurveyAid: <ul style="list-style-type: none">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-makingIntegrated RevenueCat with a Cloudflare Worker proxy for subscription management and OpenRouter for AI generation
HopOffer: <ul style="list-style-type: none">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