Zachary Klein

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EDUCATION

Tufts University   Aug. 2024 – May 2028
B.A. Computer Science   *Medford, MA*
- **Relevant Courses**: Introduction to Computer Science, Data Structures, Machine Structure and Programming, Calculus I, Linear Algebra, Discrete Math, Principle Economics
- **Honors**: Dean's List

TECHNICAL SKILLS

Languages: C++, Python (flask, FastAPI, matplotlib, pandas), Java, HTML/CSS/JavaScript
Technologies: Node.js, React.js, PostgreSQL, Git
Tools: Github, Trello, Photoshop

EXPERIENCE

Hillel Community Action Partners Intern   Mar. 2025 – Present
Tufts University Hillel   *Medford, MA*
- Leading an arts and engineering after-school program for **over 40 local middle school students**
- Communicating with parents and school administrators to ensure the programs run smoothly
- Participating in a social justice collective to promote and uplift the events of other Tufts Hillel initiatives

Software Developer   Sep. 2024 – May. 2025
Tufts Jumbocode   *Medford, MA*
- Developing an application for Tufts University Counsel to search a prescription data database for medical use. Utilizing **React.js** for front-end development and **Python** for back-end implementation
- Collaborated with a team of ten project developers to deliver a deployed software

Development Intern   June 2024 – Aug. 2024
Glassman Media   *Los Angeles, CA*
- Developed creative content, including gameshow questions for **The Wall,** social media for **the Professional Horseshoes League,** and pitch decks for network presentations.
- Collaborated on TV show concepts, **programmed and created live demos for TV concepts,** produced on-set content, and supported administrative tasks across various projects.

PROJECTS

Tufts Degree Audit | *JumboHack Hackathon*   Feb. 2025
- Project in the **education field** of the 2025 JumboHack Hackathon at Tufts University.
- Programmed the front-end using **React.js** and the back-end with the **Python** to create a website where engineering students could **track their degree progress** and build future schedules.

Sock Finder | *Hack the Wave Hackathon*   Oct. 2023
- **Achieved first place at Hack the Wave, San Diego's largest high school hackathon,** by developing an innovative project that detects and matches sock images from a database
- Programmed the front-end using **HTML, CSS, and JavaScript,** and connected the back-end with the **Python library Flask,** to create seamless integration and functionality.

SERVICE

English as a Second Language Tutor   Sep. 2024 - Present
Tufts Hillel/McGlynn/Medford Cultural Partnership   *Medford, MA*
- Educate adult learners from the Medford community who are eager to improve their English language skills, fostering a supportive and engaging learning environment
- Develop comprehensive lesson plans tailored to the needs of individual students as a **certified English as a Second Language tutor through the TESOL International Association.**
- Provide essential child care services for learners with children, allowing them to fully participate in classes without worrying about their child's well-being