

Anna Niedzialek

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Preparation: Completed 150 Leetcode questions 3 times, along with relevant coursework.

EDUCATION

San Jose State University
Bachelor of Science in Computer Science

San Jose, CA
Aug. 2024 – May 2026

EXPERIENCE

Software Engineer Intern

June 2024 – Aug. 2024

Hewlett Packard Enterprise

Warsaw, PL

- * Consolidated OpenAI API keys from 133 to 3 keys. Improved OpenAI vendor management for the following three aspects:
 - **Developer Happiness:** Reduced secret management costs for general AI developers
 - **Financial Cost Tracking:** Optimized clear cost segmentation for CAC vs R&D vs CoGs
 - **Guardrail:** Monitored guardrail under centralized OpenAI vendor control
- * Gained proficiency in writing/maintaining production-quality code
- * Utilized GitHub for code collaboration, review, and source control through cross-team cooperation
- * Engaged continuous deployment(CICD) to efficiently ship change to production, and attended weekly standup to practice Agile development
- * Applied Datadog to monitor production system health, used PrestoSQL tool to analyze system and product features

Engineering Intern

June 2022 – July 2022

Arthrex

Warsaw, PL

- * Assessed data from medical devices using C++, Excel, and MATLAB for performance documentation
- * Prepared technical reports with C++-based performance simulations promoting system optimization for medical users for the platelet-rich plasma projects
- * Participated in Scrum meetings with designers and engineers to refine user experience (UX) for content visualization in healthcare applications

PROJECTS

Motion AI | *Java, Python, AI/ML, MediaPipe*

Aug. 2024 – Present

- * Developed an AI-powered application to examine real-time movements and provide feedback to users
- * Trained AI models using MediaPipe and custom datasets, improving accuracy of real-time posture detection.
- * Implemented YOLOv7 for human keypoint detection and OpenCV algorithms to analyze motion and detect posture deviations
- * Built a real-time feedback pipeline integrating YOLOv7, DTW sequence matching, and OpenCV preprocessing to provide users with immediate posture feedback

Lingo Playground | *React, JavaScript, CSS, HTML*

Sept. 2025 - Oct.2025

- * Helped Spanish learners internalize and test verb conjugation in an engaging and interactive way
- * Implemented real-time conjugation validation and feedback in React (JavaScript, Hooks)
- * Designed progress tracking system to record attempts and scores using React state management
- * Integrated Motion framework (framer motion) for smooth UI animations and improved user experience

Cinema Management System | *Java, JavaFX, Object Oriented Programming*

Aug. 2024 – Oct. 2024

- * Developed a cinema management system by applying OOP knowledge to real-world challenges
- * Collaborated with team members using GitHub ensuring streamlined teamwork
- * Developed a user-friendly interface for managing navigation and booking workflows, optimizing UX with JavaFX
- * Conducted 8 JUnit Tests to ensure code reliability, providing code coverage and prompt bug identification

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, Haskell, Scheme, SWI Prolog

Developer Tools: Github, Ubuntu, Linux, Unix, VS Code, MATLAB, Datadog, PrestoSQL, JUnit

Frameworks: OpenCV, YOLOv7, AI/ML, JavaFX, React, HTML, CSS

Extra-curriculars:SVIC Finalist, SolidEdge Certificate, NCAE CyberGames, 2025 SJSU President's Scholar Award, Summa Cum Laude Honors in CS

Languages: English, Polish, Spanish, Russian