

Anna Tymoshenko

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EDUCATION

Pacific University

Bachelor of Science in Computer Science and Mathematics

Forest Grove, OR

Aug 2022 – May 2026

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Swift, HTML/CSS/JavaScript, Python, R, SQL, PHP, LaTeX, MatLab.

Frameworks/Tools: Google ML Kit, React, Vite, Bootstrap 5, Node.js, Express.js, Git/GitHub, Jira.

Databases: MariaDB, Room DB, MongoDB, Redis, CloudKit, SwiftData.

Cloud/DevOps: Microsoft Azure, Docker, AWS (learning through AWS Skill Builder)

Languages: Ukrainian (native), English (fluent), Russian (fluent).

PROJECTS

Punch Harder | *YOLOv8, MediaPipe, Nemotron*

May 2026

- Developed a live self-defense/boxing coaching web app that detects, counts, and classifies punches from webcam video and returns per-punch form feedback with text-to-speech narration over a slow-motion replay.
- Designed a punch-detection algorithm on top of MediaPipe pose tracking using wrist-to-torso distance trajectories; synchronized punch timestamps with backend YOLOv8 classifications to align coaching feedback frame-accurately to the replay.
- Won 2nd Place, NVIDIA Track (Best Use of Nemotron) at BeaverHacks (Oregon State University); see Beaver DevPost link.

Monte Planner | *React, Vite, Python, Flask*

Apr 2026

- Developed a scheduling web app for large complex projects consisting of hundreds of tasks that runs Monte Carlo simulation 10,000 times to predict the most accurate plan for your project schedule & deadline.
- Placed 2nd in Overall Track and 2nd in Innovation Track at the HackUP Hackathon at University of Portland; check DevPost link.

Campus Compass | *Swift, SwiftUI, MapKit, CloudKit, Git*

Sep 2025 – May 2026

- Parsed and processed GeoJSON building data to automatically extract 200+ indoor room-level waypoints, constructing a navigable graph structure for shortest-path indoor routing.
- Engineered MapKit annotation clustering with zoom-level visibility controls, rendering real-time indoor maps across 8 campus buildings with smooth performance.
- Facilitated 2-week Scrum sprints with 2-person team, contributing to sprint planning, weekly standups, and retrospectives.

Veteran App | *Java, Room DB*

Sep 2024 – Jul 2025

- Developed Android application for VA client over 36+ weekly sprints as part of student development team to support veterans with ADHD and anxiety with step-by-step first aid guidance.
- Implemented 5+ dynamic content modules with audio playback and one-touch emergency calling, reducing navigation depth from 4 to 2 taps for critical features.
- Onboarded 2 new developers mid-project, documenting codebase architecture and established development workflows.

EXPERIENCE

Berglund Center, Pacific University

Sep 2024 – May 2026

Software Developer - Creative Design Team

Forest Grove, OR

- Collaborated with cross-functional teams to develop client-facing applications, participating in weekly sprint planning, code reviews, and requirements gathering.
- Architected client-facing cross-platform applications across full agile software development lifecycles (SDLC); led technical requirement translations for complex stakeholder initiatives.

Pacific University

Sep 2024 – May 2026

Math Peer Tutor - Center for Learning and Student Success

Forest Grove, OR

- Tutored students in algebra through calculus III along with discrete math and statistics, improving problem-solving skills and exam performance in one-on-one and group sessions.
- Led drop-in tutoring and review workshops, simplifying complex concepts and fostering confidence in math.