

# Teddy Wachtler

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## Education

- Willamette University** ..... Present
- B.A., Politics, Policy, Law, & Ethics. GPA: 4.00.
  - Served on the executive board of 3 student organizations.
- Damien High School** ..... Aug. 2021–May 2025
- Valedictorian, Junior of the Year, AP Scholar with Distinction, and NMSC commended student. GPA: 4.55 (3.98 u.).
  - Certificates of outstanding achievement in 18 classes.
  - Participated in the Project Lead the Way Engineering and Computer Science programs.

## Extracurriculars

- British Parliamentary Debate** ..... Aug. 2025–Present
- Debate Union Treasurer; Managed a \$3,000 budget and coordinated expenditures across registration, travel, and other forensic events.
  - Competed in local and national circuits, accumulating multiple finals placements and speaker awards.
- Policy Debate** ..... Aug. 2021–Apr. 2025
- Varsity letter and team captain; Constructed numerous research-based defenses of policy and critical propositions.
  - Competed on the national circuit with numerous deep tournament runs and qualified to the Tournament of Champions twice.
- Model United Nations Club** ..... Aug. 2025–Present
- Treasurer; Organized the hosting of multiple conferences.
- Mock Trial** ..... Sep. 2023–Dec. 2024
- Team captain, club Vice President, lead pre-trial attorney, and primary student organizer.
- Scouting America** ..... Jul. 2018–May 2025
- Troop 403; Eagle Scout (Board of Review pending).
  - Project consisted of significant landscaping, woodworking, and repair efforts at a children’s center over 130 hours.
  - Led classes for youth aged 11–17 in domestic and national politics, fitness, communication, environmental science, and metalworking.
- Robotics** ..... Aug. 2024–Jan. 2025
- Lead coder for national-circuit VEX V5 competition.
- Christian Leadership** ..... Aug. 2024–May 2025
- Led religious retreats for peers with a strong emphasis on community-building and spiritual growth.
- Dungeons and Dragons Club** ..... Oct. 2021–Present
- President in H.S. and Treasurer in college.
- Ultimate Frisbee Club** ..... Oct. 2023–Oct. 2024
- Secretary; Managed communication and statistics.
- Stagecraft** ..... Jan. 2026–Present
- Road Cycling Club** ..... Aug. 2021–Dec. 2022

## Summary

*Interdisciplinary student and researcher actively engaged in competitive academic discourse, data-driven technical and policy research, and community service.*

## Research & Programs

- Computing Research Association** ..... Feb. 2026–Present
- Contracted researcher in the CRA UR2PhD REU program.
  - Explored the application of machine learning algorithms to the opioid epidemic through a spatio-temporal perspective.
  - Developing a predictive model to classify overdose risk rates based on the SDoH.
- Univ. of Michigan Debate Institute** ... Jun. 2023–Jul. 2023
- Studied fiscal redistribution and solutions to income inequality with targeted research on the expansion of SSI to U.S. territories and the adoption of a FJG in the executive branch.
- Gonzaga Univ. Debate Institute** ..... Jun. 2022–Jul. 2022
- Analyzed U.S.-NATO security cooperation over emerging technologies, specifically regarding integrating machine learning in military and scientific technology and combating disinformation with cybersecurity techniques.

## Project Examples

- QEMU RISC-V Operating System** ..... Jan. 2026–Present
- Building a bare-metal O.S. in C for RISC-V architecture with dynamic memory allocation, error handling with runtime symbol resolution, and an interactive terminal.
- Brick Classifier Prototype** ..... Aug. 2024–May 2025
- Designed and prototyped an automated LEGO sorter machine with a Java host communicating over SSH with an RPI, a VEX V5 brain, and a gRPC server for real-time classification and motor movement.
- Evolutionary Algorithm Sim.** ..... Jan. 2025–Mar. 2025
- Designed and built a C# genetic algorithm in Unity to complete a simulated game through mutation.

## Skills

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|--------------------|--|
| <b>Languages</b>   | Java, C#, Rust, C, C++, LaTeX                                    |
| <b>Software</b>    | Git, Vim, Unity, CMake, Fusion360, LVGL                          |
| <b>Platforms</b>   | Windows, Linux (Arch), MS Office, Google Workspace, Raspberry Pi |
| <b>Engineering</b> | CAD modeling, technical drawing, embedded systems, 3D printing   |
| <b>Applied</b>     | Landscaping, woodworking, construction, maintenance work         |