Matthew Epshtein

425-215-8964 | mepsht@uw.edu | LinkedIn | GitHub

Education

University of Washington — Seattle, WA
Direct Admit to Allen School, Computer Science Major — *Sep. 2025 – Present*

Inglemoor High School — Kenmore, WA
Graduated cum laude; Unweighted GPA: 3.98; SAT: 1540; IB Diploma: 37/45 — *Sep. 2021 – June 2025*

Experience

Researcher — June 2024 – Present
UW Systems Biology Lab — *Seattle, WA*

- Designed and developed devops tools for systems biology
- Developed an LLM-based pipeline for analysis and summary of systems biology papers
- Developed and implemented a custom low-cost database for chemical network models
- Scaled said database to over 10,000 models

Flight Crew — July. 2024 – Present
Sky Zone — *Mountlake Terrace, WA*

- Assisted guests with check-in process
- Operated POS, park dashboard, and cash register systems
- Ensured guests had proper jump tickets, wristbands, and SkySocks
- Sold memberships and premium SkySocks to guests

President and Programming Lead — Sep. 2021 – Present
Inglemoor Robotics Club — *Kenmore, WA*

- Organized and facilitated day-to-day and long-term club activities
- Managed club social media accounts and recruitment activities, leading to 40+ new members
- Constructed software which ran on 4 different robots across 3 years
- Created utility library for robot programming, including from-scratch swerve-drive software

Projects

Sidequest | *Fullstack Android app* — July 2025 – September 2025

- Created an ARG-style game about racing other users to a random destination
- Developed a REST API and backend in Python using Flask to manage game state
- Used JWT to create a custom user authentication and session service
- Developed an Android app in Kotlin Compose to serve as game frontend

OscillatorDatabase | *Free web database for chemical network models* — August 2024 – Present

- Developed a free and open-access database to store chemical network models via GitHub
- Created a Python package for database query and download operations
- Create a web interface using Vanilla tech stack for database query operations
- Used Pytest and Github Actions for test and maintenance automation

Reefscape2025 | *Software for FRC Robotics* — May 2018 – May 2020

- Developed software which ran on an FRC competition robot
- Coordinated drivebase and actuator motors to ensure efficient robot operation
- Worked with camera and sensor inputs to create an auto-targeting routine
- Created autonomous movement system using the A* algorithim

Technical Skills

Languages: Java, Kotlin, C Sharp, Python, C/C++, JavaScript, HTML/CSS, Rust
Frameworks: Svelte, Flask, WPILib, Kotlin Compose, Material-UI, OpenCV, BootstrapCSS
Developer Tools:Git, VS Code, Visual Studio, PyCharm, IntelliJ, Android Studio
Libraries: pandas, NumPy, pytest, asyncio, itertools, geopy, Oauth2