

# Adithya Solai

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## EDUCATION EXPERIENCE

- Minds Matter Seattle | Student Engagement Lead** July 2023 – July 2024
- Developed a Mid-Year & End-of-Year holistic feedback survey. Administered to all 140+ community members (85% response rate). Conducted analysis and prepared action items that I presented to 20 Executive Committee members.
  - Implemented a QR code session attendance-taking system used by all 140+ community members. Also developed an attendance spreadsheet model to track progress towards a cumulative attendance goal of 80%.
  - Created a WhatsApp community to improve outside-of-session and real-time in-session communications. Onboarded all 140+ community members.
  - Organized a weekday tutoring system for 15+ students. Coordinated tutoring sessions with 30+ other volunteers.
- Minds Matter Seattle | Mentor** Aug. 2022 – May 2024
- Mentored 1 high school student through 10<sup>th</sup> and 11<sup>th</sup> grade alongside 1 co-mentor. Provided guidance on time management, courses/activities selection, and college summer programs (she attended a 2-week program at Cornell).
- Minds Matter Seattle | Writing & Critical Thinking Instructor** Aug. 2022 – May 2024
- Guided 1-2 high school 10<sup>th</sup> graders through writing enrichment activities for 1 hour weekly.
- Minds Matter Seattle | Math Instructor** Aug. 2022 – May 2023
- Taught math enrichment topics to 1-2 high school 10<sup>th</sup> graders for 1 hour weekly.
- Univ. of Maryland | Course Founder (CMSC389G: What to do After Landing a SWE Job)** Aug. 2021 – May 2022
- Created and taught a course to 30+ students on tools/practices needed to adjust to Software Engineering jobs.
  - Designed a curriculum with 10 lectures on Git, Code Reviews, Unit Testing, *Clean Code*, and Design Docs.
- Self-Employed | Private Coding Tutor – Princeton, NJ** Jan 2021 – Aug. 2021
- Tutored 15+ students in introductory Java and Python. Helped 1 student pass an exam to skip a CS course in high school.
- Univ. of Maryland | Teaching Assistant (BUDT 758B: Big Data & AI for Business)** Aug. 2020 – Dec. 2020
- Held weekly office hours and answered 75+ email questions to assist 30+ students with 5 PyTorch assignments.
- Self-Employed | Private Chess Tutor – Princeton, NJ** Aug. 2016 – Aug. 2019
- Coached 50+ children to become US Chess Federation-ranked players and medalists at dozens of tournaments.
- Plainsboro Public Library Junior Math Club | Founder/President/Volunteer – Plainsboro, NJ** Jan. 2017 – Aug. 2017
- Developed and conducted advanced math enrichment lessons for 20+ 4<sup>th</sup> – 6<sup>th</sup> graders.
- Plainsboro Public Library Junior Chess Club | President/Volunteer – Plainsboro, NJ** Feb. 2016 – Mar. 2018
- Developed and conducted chess lessons for 40+ beginner, novice, and advanced students every week.

## PROFESSIONAL EXPERIENCE

- Feith Systems | Software Engineer – Fort Washington, PA** Feb. 2025 – Present
- Developed and deployed [Record Insight](#) to a U.S. federal agency (15k+ employees), which reduces manual effort by leveraging LLMs to auto-categorize millions of records while ensuring compliance with federal record lifecycle laws.
- Amazon Web Services | Software Development Engineer – Seattle, WA** Aug. 2022 – Aug. 2024
- Updated AWS Secrets Manager's (ASM) [Alternating-Users Rotation](#) to integrate with [RDS' Auto-Created Admin Secrets](#). Since launch, all new RDS instances (& 0.5% of all Secrets) use this integration by default when rotation is configured.
  - Implemented a caching solution for encryption data keys as part of ASM's [BatchGetSecretValue API launch](#) at AWS re:Invent 2023, which reduced server-side latency by 85% and eliminated dependency API calls on cache hit.
- Amazon Web Services | Software Development Engineer Intern – Seattle, WA** Jun. 2021 – Aug. 2021
- Created a [Secret Count CloudWatch metric](#) for all AWS customers that store secrets in AWS Secrets Manager.
- Ocient | Software Engineer Intern – Chicago, IL** Jan. 2021 – Mar. 2021
- Built an oncall data tool for a Raft cluster DB that reduced debugging time by 3+ hours weekly for 10+ Engineers.

## EDUCATION

**University of Maryland – College Park, MD** Graduated Spring 2022  
Bachelor of Science, Computer Science (Data Science Specialization) Cumulative GPA: 3.902 / 4.0

**AWARDS/HONORS:** ACT: 35 / 36, SAT: 1500 / 1600, Univ. of Maryland CMNS Dean's List x 4