

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 10th and 11th 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 10th 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 10th 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+ 4th – 6th graders.

Plainsboro Public Library Junior Chess Club | *President/Volunteer* – Plainsboro, NJ **Feb. 2016 – Mar. 2018**

- Developed and conducted chess lessons for 40+ beginners, novice, and advanced students every week.

PROFESSIONAL EXPERIENCE

Feith Systems | *Software Engineer* – Fort Washington, PA **Feb. 2025 – Present**

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.
 - Published an [AWS Blog Post](#) to guide AWS customers through using the new integration.
- 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.
- Created a hybrid secret rotation strategy to meet compliance requirements and authored a [blog post](#) to educate customers.

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 tool for a Raft consensus framework that reduced debugging time by 3+ hours weekly for 10+ Engineers.

EDUCATION

University of Maryland – College Park, MD

Bachelor of Science, Computer Science (Data Science Specialization)

Graduated Spring 2022
Cumulative GPA: 3.902 / 4.0

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