

# Arika Khor

Software Developer with a focus on back-end and interest in CD/CI development.

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## Education

Expected Graduation | **The University of Oklahoma**  
Dec 2026 | B.S. Computer Science

## Technical Skills & Skills

- Programming: Advanced Java (Spring, Thymeleaf), C++, C#, JavaScript, Python
- Web: LaTeX, HTML5, CSS3, Bootstrap, Azure, AWS, SQL, MongoDB,
- Tools & Concepts : Docker, Jira, Jenkins, Git, Microsoft Office Suite, Agile, Scrum.
- Soft Skills: Leadership, Interdisciplinary Teamwork, Communication, Problem Solving, Project management.

## Projects

Aug 2022 - Present | **FFXIV-Wiki-Fetcher**  
*API Creator*

- Well documented REST API Webservice where users could create custom queries for several items with data which was returned in a JSON format.
- Web scrapper that formats, normalizes, and stores data in a csv file.
- Implemented fuzzy search for user queries which returned items that shared the most similar zones to the other items queried.
- Used Spring framework to create the REST API for return calls in JSON.

## Work Experience

Sept 2022 - July 2024 | **Singapore Armed Forces**  
*Team Lead for Curriculum Development*

- Lead a team through developing and maintaining critical systems for Cadet and trainee scoring using AGILE methodologies.
- Performed data analysis on Cadet scores using pandas with data that was later presented in a senior management meeting.
- Led a project to develop code to migrate from obsolete excel sheets that was used in trainee scoring.

Jan 2020 - Dec 2020 | **GameDuchy Gaming Development Company**  
*Assistant Community Relations Manager*

- Planned, organised and executed regular in-game community wide events, working with various departments to successfully implement these events.
- Designed and implemented custom chat bot to obtain item data for the official Discord server.

## Leadership Experience

Aug 2016 - May 2022 | **Scouting America**  
*Several Leadership Positions*

- **Eagle Scout Project:** My Eagle scout project was to provide a reliable way to get weather updates. I designed a weather radio antenna and organized a large group to mass-produce these antennas. These were given to the city's emergency coordinator to distribute to public service buildings. This project was covered in the normantranscript (article [here](#)).
- Led several classes as a troop instructor, and served as senior patrol leader (troop head) for one term.

Aug 2024 - Current | **OU Competitive Programming Team**  
*Team Captian*

- Helped organise ICPC regionals at OU.
- Covered a variety of Competitive Programming topics ranging from Graph Algorithms to Amortized analysis.
- Revived the club after a period of disinterest.

Aug 2024 - Current | **Sooner Competitive Robotics**  
*Member*

- Setup and manage Docker environments for ROS2 and other dependencies.
- Manage CD/CI and linting procedures.