

Arika Khor

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

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Education

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

Technical Skills & Skills

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

Projects

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

- Created a well documented REST API with tests that solved an in game problem of multiple item location queries
- Provided a webservice where users could create custom queries for multiple items with the data which was returned in a JSON format.
- The API used a web scrapper to grab data from the game's website, and then format and store the data in 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 Norman Transcript newspaper.
- Led several classes as a troop instructor, and served as senior patrol leader (troop head) for one term.

Aug 2021 - May 2022 & Aug 2024 - Current | **Rock Climbing Club**
Coach/Instructor Position

- Helped with coaching, creating workout sheets and prepared members for competitions.
- Organised various events such as outdoor climbing trips and training sessions.