## **Alan Chavarin**

Software Engineer

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## **Education**

**Bachelor of Science in Computer Science** *(in progress)* August 2022 - December 2025

*San Diego State University* - GPA 3.76

**Associate of Science Transfer (AST) in Computer Science** July 2019 - May 2022

*Southwestern Community College* - GPA 3.73

### **Relevant Coursework**

* Data Structures
* Intro to Software Systems
* Machine Organization & Assembly Language Programming

## **Projects**

**Eye of Ophidia** - Sole Developer September 2022 - Present

[www.eyeofophidia.net](https://www.eyeofophidia.net) • [www.github.com/alanchavarin/eye-of-ophidia](https://www.github.com/alanchavarin/eye-of-ophidia)

* Technology used: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB.
* Designed to catalog all official live tournament matches for the competitive trading card game FaBTCG, attracting over 4,100 unique users from 59 countries since April 2023.
* Users can quickly and conveniently search the database for matches by player names, events, date ranges, and matchups, sustaining a lifetime average engagement time of 1 minute and 20 seconds and achieving a user retention rate of 30%.
* Built a custom authentication system using the JSON Web Token library, granting trusted community members the ability to efficiently catalog data. This effort resulted in the cataloging of over 1,100 matches from more than 100 tournaments.
* Consistently adds new tournaments, resulting in an average weekly user acquisition rate of 190.

## **Languages and Skills**

**Languages:** JavaScript, Java, C, C++

**Frontend:** HTML, CSS, React.js

**Backend:** Node.js, Express.js

**Database:** MongoDB

**Testing:** Jest, Cypress