ELISHA NAM

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OBJECTIVE

Computer science student specializing in Intelligent Systems. Seeking internships or entry-level job opportunities to expand and enhance current programming skills.

EDUCATION

University of California, Irvine — **June 2025**
Bachelor of Science, Computer Science — **GPA: 3.97**
Regent Scholar

Relevant Coursework:

- Machine Learning & Data Mining
- System Design
- Design & Analysis of Data Structures
- Algorithms
- Probabilities in CS
- Intro to AI
- Computer Networks

PROJECTS

Search Engine — Sep 2023 - Dec 2023

- Developed a search engine that is capable of handling tens of thousands of documents or Web pages in the UCI ICS subdomain in Python, leveraging advanced techniques including tf-idf scores, page rank algorithms, keyword analysis in queries, and autocorrection functionalities to deliver accurate search results
- Constructed full stack website to showcase project using React and TailwindCSS for frontend, Flask for backend, and deploying on Vercel
- Converted original JSON inverted index to Redis and hosting the database on a cloud to reduce word search operations from $O(N)$ to $O(1)$

Minesweeper Solver — Apr 2023 - Jun 2023

- Created an accurate and efficient algorithm for solving Minesweeper worlds of varying sizes, reaching 87% accuracy among 1100 tested worlds
- Implemented search algorithms, Harvard sentence-reduction logic, and heuristics searches, quartering initial runtime

Apollo — Feb 2020

- Awarded first place at USC's accredited HackSoCal 2020
- Produced a Unity-based, educational game with the goal of making the process of learning chemistry more enjoyable

SKILLS

- **Hard:** Python, C++, Typescript, Java, Javascript, HTML, CSS, Tailwind, Git, React, Next.js, Node.js, Flask, SQL, Redis, Microsoft Office, Figma, Unity, Vercel, Latex
- **Soft:** Problem-Solving, Teamwork, Communication, Flexibility, Teaching