Thu Nguyen

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Technical Skills

- Python, C++, HTML, CSS, Java, JavaScript, R
- Photoshop, Premiere Pro, After Effects, Procreate, Figma

Education

University of California, Irvine   *Expected Graduation: December 2023*
B.S. in Computer Science

- UCI Regents' Scholarship
- Dean's Honor List

Relevant Coursework

- Programming with Software Libraries
- Data Structure Implementation & Analysis
- Information Retrieval
- Information Visualization
- Software Design
- Human Computer Interaction
- Requirements Analysis & Engineering
- Computer Networks

Projects

Spacetime Crawler | *Python*   *January – March 2022*
- Constructed a web crawler equipped with extensive trap detection
- Created an index to rank webpages using TF-IDF scores
- Implemented a search engine to handle over 30,000 static webpages

Maze Generator and Solver |C++   *April – June 2021*
- Built a maze generator that uses a recursive, depth-first algorithm to generate two-dimensional matrices that represent perfect mazes randomly
- Built a maze solver that uses a recursive, backtracking algorithm to traverse and solve a maze of arbitrary size

Ping Ring | *HTML, CSS, JavaScript*   *October – January 2020*
- Worked with a team to construct a website for product marketing
- Developed a responsive website using Boostrap CSS helpers
- Used JavaScipt to add interactive elements across the multi-page site

Experience

Media Chair | *Theta Tau*   *June 2021 – August 2022*
- Spearheaded the design of the organization's bi-annual recruitment campaigns
- Conceptualized and produced deliverables for public advertisement
- Items included graphics, flyers, shirts, videos, and animations