Nicolas Ahn

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EDUCATION

University of the Pacific   Stockton, CA
Bachelor of Science in Computer Science, Minor in Data Science   Aug 2020 - May 2024
GPA: 4.0
Relevant Courses:

- Data Structures
- Design and Analysis of Algorithms
- Application Development
- Artificial Intelligence
- Computer Systems and Networks
- Programming Languages

EXPERIENCE

University of the Pacific   Stockton, CA
Research Assistant   Sep 2021 - Present

- Assist Professor in the study of Concurrent Audit Logging in Microservice-based applications
- Developed an audit logging template for a simple medical records system application using Java, InterProlog, and AspectJ to be used as an implementation model for the research paper
- Implemented an instrumentation tool that parses logging policies in JSON format and builds the audit logging template in Java-Spring Boot microservices with such policies.

Monte Vista Elementary School   La Crescenta, CA
Robotics Mentor   Sep 2018 - Dec 2018

- Guided students in coding and building a robot for the First Lego League competition

PROJECTS

Dungeon Crawler Game Project *Java*   final-project-1
                                                                                Jan 2021 - May 2022

- Coded algorithm for parsing sprite sheets to easily render graphics and animations
- Implemented map collision system and refactored team project
- Gained in-depth experience working in a team, meeting deadlines, and documenting software design

Buy/Sell Stocks AI Project *Python*   geneticAlgo-stocks

- Parsed data and implemented an AI to predict buying/selling stocks
- Implemented Genetic algorithms with various selection and crossover techniques

File Organization Automation Scripts *Python, Bash*   scripts

- Automated file organization in personal Linux Laptop using Python and Bash
- Scripts organize files by their extension types in their respective folders

SKILLS

Programming Languages:	Python, C++, C, Java, Bash
Developer Tools:	Git, VS Code, Eclipse, Vim
Operating Systems:	Windows, Linux
Other:	HTML, CSS, JSON

EXTRACURRICULAR

Theta Tau *Professional Engineering Fraternity*
- New Member Educator   Jan 2022 - Apr 2022

- Guided and instructed potential new members in the New Member Education process
- Organized events for the New Member Education process

- Vice Regent   Apr 2022 - Present

- Supervised Chair Committees and updated Chapter Bylaws