

Nina Gu

US permanent resident | Indianapolis, IN 46202

Energetic and passionate computer science new graduate seeks entry-level software engineering role. Possess strong analytical and problem-solving skills. Able to thrive both in collaborative team environments and working independently, demonstrating self-learning and self-motivating abilities. Fluent in both Mandarin and English.

EDUCATION

University of California, San Diego

B. S. Computer Science

Sep 2021 - Jun 2023

Coursework: Data Structure, Database System, Artificial Intelligence, Deep Learning, Computer Security
Technical Skills: Microsoft Office, GitHub, Java, Python, C/C++, JavaScript, SQL, CSS, HTML, NumPy, pandas, MoviePy, BeautifulSoup

WORKING EXPERIENCE

Maury Boyd & Associates, Inc.

Indianapolis, Indiana

Software Engineer

Jul 2023-present

- Customizing a web scraping tool to identify and target potential customers
- Extracting and analyzing data using python, requests and BeautifulSoup
- Solely responsible for writing codebase, implementing algorithms, and building user-friendly GUI
- Demonstrating strong problem-solving skills in overcoming challenges and ensuring smooth functionality

RELEVANT EXPERIENCE

Element.AI Competition

Association for Computing Machinery AI

Team Leader

Feb 2023

- Implemented video game Snake with team against 60 teams and ranked 5th
- Designed strategies and algorithms to ensure the player-controlled bot consistently wins
- Engineered Artificial Intelligence using Python to optimize bot's performance

Autonomous Vehicle Motion Forecasting

UCSD Deep Learning Competition

Team Leader

Apr 2022

- Built motion forecasting models for autonomous vehicle after 6 seconds in Python
- Led team of four to conduct experiments on various prediction
- Utilized LSTM and MLP layers in the model architecture to enhance prediction accuracy
- Summarized and presented the findings of the experiments and model evaluations

ConnectMe

Computer Science and Engineering Society

Backend Developer

Sep 2021 - Dec 2021

- Specialized social media with no log-in requirement
- Collaborated to design and worked as backend
- Set up database for creating posts by using Python, Flask and Docker
- Won first place among six teams

San Diego Chinese Historical Museum

San Diego

CRM Data Maintenance

Jun 2019 - Dec 2019

- Maintained CRM data for non-profit using NeonCRM
- Assisted in setting up Outlook printers and copiers, ensuring the functionality of their accounts