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

RELEVANT EXPERIENCE

Maury Boyd & Associates, Inc.   Indianapolis, Indiana
Software Engineer   *Jul 2023-present*
- Customize a web scraping tool to identify and target potential customers
- Extract and analyze data using python, requests and BeautifulSoup
- Act as the sole coding expert within the team, responsible for development, maintenance, and optimization

Element.AI Competition   Association for Computing Machinery AI
Team Leader   *Feb 2023*
- Implemented video game Snake with team against 60 teams
- Designed strategies and algorithms to ensure the player-controlled bot consistently wins
- Engineered Artificial Intelligence using Python to optimize bot's performance
- Ranked 5th and donated cash prize to UNICEF

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