

SUMMARY

Seeking a full-time software development engineer internship.

Has a wide range of software development project experiences, including full-stack, web application development, and game development using **React, Express, MySQL, MongoDB, PHP, JavaScript, JAVA, C++, and Python**.

Have experience in machine learning technique like **TensorFlow** or **PyTorch**. Capable of using models like **CNN, RNN**, and **Transformer** to solve realistic problems. Be able to use **LoRA, Adapter, and Prompt tuning** to fine-tune open-source LLMs and CV models. Familiar with **LangChain** to build applications based on GPT's API.

EDUCATION

<b>Washington University in St. Louis</b>	August 2022 - May 2026
Bachelor of Science in Computer Science	<b>GPA 4.0/4.0</b>

WORKING EXPERIENCE:

<b>DHC Software Co., Ltd (Python, JAVA, LangChain, LoRA)</b>	
<i>Intern in Financial Big Data Technology Department: Software Developer</i>	May 2023 - July 2023
<ul style="list-style-type: none"><li>Developed an AI credit reporting system using <b>ChatGLM-6B</b></li><li>Trained the model with <b>LoRA</b> and <b>P-tuning</b> to meet the specific requirements.</li><li>Using <b>React</b> and <b>Express</b> to build an application to use the modal for credit assessment and anti-money laundering.</li></ul>	
<b>Cuisine Hub (MySQL, React, Product Design)</b>	
<i>University Entrepreneurial Team: Product Designer</i>	Feb 2023 - Jun 2023
<ul style="list-style-type: none"><li>Developed recipe analysis software based on artificial intelligence, which provides users with recipes that suit their tastes.</li><li>Designing the <b>MySQL</b> database structure, participating in product design planning, determining requirements and functions, and writing front-end pages using <b>HTML</b>.</li></ul>	
<b>Beijing Institute of Technology (Transformer, Pytorch, MobileNet v2)</b>	
<i>Computer Science Elite Program: Researcher</i>	Sep 2021 - Apr 2022
<ul style="list-style-type: none"><li>Utilizing <b>Transformer</b> models from the field of Natural Language Processing (NLP) for MIDI music generation</li><li>Employed the <b>MobileNet V2</b> model to identify music's style and emotion based on waveform images.</li></ul>	
<b>Guilin Experimental High School (C++, Algorithms and Data structures)</b>	
<i>Computer Education Program: Olympiad in Informatics Teacher and Program Leader</i>	July 2019 - July 2022
<ul style="list-style-type: none"><li>Initiated a computer support teaching project at Guilin Experimental Middle School Affiliated with Capital Normal University, where I taught over <b>100 students and gave over 200+ lectures</b>.</li><li>Taught information competition classes to help students learn competition algorithms and prepare for major international information technology competitions.</li></ul>	

PROJECT EXPERIENCE:

<b>Bill Split: Team Expense Manager (MongoDB, Node.js, React)</b>	Mar 2023 - Apr 2023
<ul style="list-style-type: none"><li>Developed the front end using <b>React</b>, ensuring a responsive and user-friendly design.</li><li>Implemented the backend using <b>Node.js Express</b>, including expense management and database connectivity APIs.</li><li>Designed and implemented the <b>MongoDB</b> database schema to efficiently store and retrieve expense data.</li></ul>	
<b>Gomoku Battle Program and AI (C++)</b>	July 2021 - Sep 2021
<ul style="list-style-type: none"><li>Implement the basic logic and interface of the Gomoku game.</li><li>Use <b>C++</b> to write AI algorithms and optimize them using the Expectimax algorithm.</li><li>Debug and test the program to ensure its stability and functionality.</li></ul>	
<b>Team Event Management System Similar to Google Calendar (PHP, AJAX, HTML, MySQL)</b>	Apr 2023 - May 2023
<ul style="list-style-type: none"><li>Use <b>PHP, JavaScript, HTML</b>, and <b>AJAX</b> to implement the system's essential functions, like adding events and joining teams to view team events.</li><li>Implement the core logic of event management, including adding, deleting, and modifying events.</li><li>Design a <b>MySQL</b> database to save users' data.</li></ul>	

HONORS AND AWARDS

• Distinction Rank (Top 5%) in 2021 AMC 12A	Dec 2021
• 1st Place in Gold Division (out of 723 participants) of the USACO Contest	Jan 2020
• Top 2% of 148,880 students, National Olympiad in Informatics in Province (NOIP)	May 2019
• Dean's List at Washington University in St. Louis for all semesters.	June 2023