**Calvin Yang**

Software Engineer | Software Developer

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**EDUCATION**

**Skidmore College Saratoga Springs, New York**

*B.A. in Computer Science May 2023*

* **Related Coursework:** Data Structures & Algorithms, Computer Organization, Artificial Intelligence, Applied Data Science, Digital Image Processing, Computer Vision, Complexity and Heuristics

**SKILLS**

**Programming:** Java, Python, JavaScript, HTML/CSS, SQL

**Frameworks:** Spring Boot, NodeJS, Ruby on Rails, ExpressJS

**Tools:** PyCharm, Eclipse, VS Code, Git, Agile, Microsoft Word, Microsoft Excel, Slides, MySQL, MongoDB, ReactJS

**EXPERIENCE**

**Smart Attorney New York, New York**

*Freelance Full Stack Software Engineer Sep 2023 – Present*

* Integrated fine-tuning learning model with ChatGPT API for AI chat bot using ~50 datasets.
* Created a simple login system for users to get access to their case files.
* Building a functional dashboard using the MERN tech stack in an Agile environment
* Worked under an Agile development environment organized by Jira tickets and version controlled on GitHub.

**KBonsai Saratoga Springs, New York**

*Front-End Software Engineer Intern Feb 2023 – May 2023*

* Worked on the user login feature for customers.
* Worked under an Agile environment organized by Jira tickets and version controlled on GitHub.
* Learned fundamental knowledge of front-end technologies such as HTML, CSS, JavaScript, and Ruby on Rails

**PROJECTS**

**Chat Server Simulator Saratoga Springs, New York**

*Team Member Jan 2023 – May 2023*

* Developed a chat server with two other engineers so users can send DMs to other clients when they want to, if they choose not to the message that they send will be sent in a global text in which all clients see this message.
* Used Multithreading, and sockets package in Java to allow different users to send messages at the same time through the same server.
* Implemented asymmetric encryption in the presentation layer to ensure clients cannot see private messages coming through the server.
* Used Wireshark to understand Networks.

**Chess Game with AI Saratoga Springs, New York**

*Personal Project Jan 2023 – May 2023*

* Developed a 2-player, terminal-based chess game with an AI opponent using the alpha beta minimax algorithm via Java.
* Employed Object Oriented Programming to create classes of pieces, square, and board.
* Experimented with training a reinforcement learning AI to play chess using the SARSA algorithm.
* Tested alpha beta against other known chess AI such as stockfish.

**Chess Database Project Saratoga Springs, New York**

*Team Leader Sep 2022 – Dec 2022*

* Created a Relational Database in MariaDB via Java for users to be able to access chess games that was played by people from any tournament that exists in the database.

**ACTIVITIES AND LEADERSHIP**

**Skidmore College Saratoga Springs, New York**

*Teaching Assistant for CS 106 (Intro to Computer Science) Jan 2023 – May 2023*

**Skidmore CODES Saratoga Springs, New York**

*Co-Founder & Secretary* *Jan 2023 – May 2023*

* Cofounded an organization to provide current students information about Computer Science and bring guest speakers to speak about their infield experience.
* Led Resume reviews and review sessions dealing with Data Structures and Algorithms.