

# Aaron Thomas Pham

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## Academics:

**Santa Clara University**, Santa Clara, CA

**September 2020 - Present**

- **Bachelor of Science in Engineering (Computer Science and Engineering)** | GPA 3.5 | Graduation Date: June 2024
  - **Master of Science in Engineering (Computer Science and Engineering)** | GPA 3.8 | Expected Graduation Date: June 2025
  - **Relevant Coursework:** Advanced Machine Learning, Data Mining, Natural Language Processing, Pattern Analysis, Algorithms, Data Structures, Databases, Computer Networks, Operating Systems, Information Security, Web Information Management, Compilers, Computer Architecture, Integrated Circuit Design
  - **Honors:** SCU Bronco Merit Scholarship
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## Work Experience:

**Backend Engineer Intern, Zeitro**, Santa Clara, California

**March 2024 - Present**

- Developed and maintained scripts using APIs such as Selenium and Google Email for the automation of web scraping tasks, efficiently extracting data from online spreadsheets and daily email communications
- Engineered and updated engines for dynamic loan rate comparisons, enhancing decision-making processes of users
- Enabled both loan officers and potential homebuyers to efficiently determine the most advantageous lending rates for loan acquisition, facilitating informed decisions and optimizing financial outcomes

**Quality Assurance Engineer Intern, Zeitro**, Santa Clara, California

**December 2023 - March 2024**

- Conducted quality checks to compare application rates against ratesheets, ensuring high accuracy and compliance
- Quickly identified and reported rate discrepancies, facilitating immediate corrections by the development team
- Implemented adjustments to align application rates with rate sheet figures, significantly enhancing data accuracy

**Server, China Delight**, San Jose, California

**June 2020 - Present**

- Exercise customer service skills and manage over 400 customers per 4 hours work shift
  - Manage over \$5000 to \$7000 of gross sales per day through precise calculation
  - Achieved the highest tip averages among all servers through great customer service and communication skills
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## Project Experience:

**RagU LLM**

**May 2024**

- Developed a Conversational Menu Assistant with a ChatGPT-like web interface and Python backend, utilizing advanced RAG techniques and OpenAI's GPT-4 to streamline dining experiences. This solution efficiently aggregates real-time U.S. restaurant menu data, enhancing ordering processes and personalizing customer service while reducing server workload.

**Mood Maestro**

**November 2023**

- Implemented a comprehensive music recommendation platform with a front-end interface using HTML, CSS, and JavaScript; developed a Python-based backend for efficient data processing and machine learning model integration, utilized Spotify API for accessing user data and authentication, and employed machine learning techniques to analyze song preferences for creating tailored playlists.
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## Activities:

**Eagle Scout, Boy Scouts of America**, San Jose CA

**May 2016 - March 2020**

- Mentored over 100 scouts of all ages in various skills and activities in their own Eagle Scout journeys
  - Landscaped a non-profit daycare center to improve play areas for low income children
  - Developed communication skills through public speaking during volunteer opportunities and troop meetings
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## Skills:

Machine Learning, Artificial Intelligence, Data Analysis, Scripting, Selenium, Natural Language Processing, Python, SciPy, Scikit-learn, Poetry, SQL, Git, Web Scraping, API Integration, C++, C, JavaScript, React