

# ALVIN YANG

UNDERGRADUATE AT SCHOOL OF COMPUTING

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## PROFILE SUMMARY

A proactive and inquisitive sophomore pursuing a Computer B.S. degree wanting to acquire experience in software engineering, data science and web development. Hardworking and has an open-minded attitude towards learning that applies new knowledge meticulously.

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## EDUCATION

**Bachelor of Science in Computer Science (GPA: 3.84)**

August 2021 –

**Clemson University**

**Graduation Date: May 2026**

- Partaken in the HelloWorld 2021, CUhackit 2022 Hackathons, and LPL Financial Hackarama 2023
- Creative Inquiry: Signals, Sensors, and Machine Learning to Improve Psychotherapy Outcomes
  - Data Science Research Assistant, cooperates with professors and fellow students
  - Natural Language Process audio data mining from psychology sessions
- Relevant courses: Algorithms and Data Structures (A), Discrete Structures (A) Intro to Software Development (In-Progress), Intro to Computer Organization (In-Progress)

**Wilson High School, Florence, SC (GPA: 5.087)**

- International Baccalaureate Diploma
  - Ping Pong Club (Co-founder)
  - *FIRST* Robotics Competition Team 1758
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## PROJECTS

**Ball Game**

- Interactive Javascript 2D animation shooting game in the Clemson CUhackit 2022 Hackathons
- Tool: Vanilla Javascript, HTML, CSS

**KeyLogger-Plus**

- A local key-logger that tracks the user's keyboard and perform data analysis and visualization, which involves SQL relational database, storing log information in real time, and PythonGUI.
- Tools: Python, SQLite3, Pandas, Seaborn, Threading, Pynput, Datetime, Tkinter

**Social Media Sentiment Paper Trader**

- Utilizes Reddit and Twitter API to extract social media data regarding the stock market through sentiment analysis and interacts with the Alpaca Paper Trader with functional frontend and backend
  - Tools: Django, Django REST, React, Typescript, HTML, CSS, TextBlob, Tweepy, Pandas, Numpy, Praw
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## SKILLS

- **Technical:** Python, Django, Django REST, SQL, C, C++, Java, ReactJS, Javascript, HTML, CSS
  - **Office and Soft:** Microsoft Office, Fluency in Mandarin Chinese, amiable, critical thinker, avid learner
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## PROFESSIONAL EXPERIENCES

**Historian of the Clemson Asian Student Association**

April 2022 – Present

- Records all of the association's events and manages organization social medias
- Takes on managerial tasks to coordinate with different organizations to set up events

**General Restaurant Assistant**

May 2016 – Present

**Yummy Cuisine, Florence, SC**

- Communicates efficiently for smooth circulation between customers and the kitchen
  - Exerts professional and friendly attitude towards workers and clients alike
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## ACCOMPLISHMENTS

- *FIRST* Robotics Competition Palmetto Regional Championship 2020
- Merit scholarship recipient of the Carolinas Chinese Chamber of Commerce Scholarship