Yanqiao Chen

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EDUCATION

Allegheny College, *Meadville, PA* **Expected Graduation: May 2024**
Bachelor of Science Degree in Computer Science **Major GPA: 3.96/4.00**
Minor: Economics **Cumulative GPA: 3.52/4.00**

Distinguishments
Cupper Scholar(Fellowship for supporting collaborative researches in computer science department) **Spring 2022**
Alden Scholar (Dean's List for achieving a 3.5+ GPA) **Fall 2020 - Present**
Trustee Scholarship(Awarded for academic excellence) **Fall 2020 - Present**

Relevant Coursework
Software Engineering, Operation Systems, Web Development, Data Structures, Computer Organization, Microeconomics, Principle of Marketing, Calculus

COMPUTER PROGRAMMING EXPERIENCE

Technical Leader, Computer Science Department, *Allegheny College* **September 2022 - Present**
- Assist professors in supporting building student's competencies in implementing the theory of coding into applied programming through labs
- Instruct 40 students per class across a spectrum of topics including coding, analyzing, and developing problem solving skills
- Hold office hours 2 hours weekly to support students on class progress and answer their academic-related questions
- Adapt teaching methods in accordance with student's learning style and processing mechanisms

Cupper Scholar, *Allegheny College* **May 2022 - July 2022**
- Collaborated with the Professor to develop a natural language processing Python tool classifier to extract news articles from news media, analyze the features and sentiment plus visualize the main contents in a graph
- Leveraged packages like scikit-learn Tf-idf vectorizer, Beautiful Soup, NLTK library. Familiarized with machine learning, natural language processing, artificial intelligence and web scraper
- Communicated with the Professor in weekly google meetings to report the progress and attain advice

PROJECTS

News Analyser, https://github.com/Yanqiao4396/News-analyser **Summer 2022**
- Devised a Python open-source tool to address the biases that occur when people search for certain news media in order to encourage end users to embrace brief ideas about authors' opinions on one news topic
- Programmed an automatic Python classifier using the Tf-idf vectorizer, Beautiful Soup, to analyze and summarize news articles
- Published this tool as an open-source utility to make accessible to a global audience drawing content from CNN, NBC, and Reuters

Gatorgrade, https://github.com/GatorEducator/gatorgrade **Spring 2022**
- Developed, tested, debugged and maintained an automatic Python tool in collaboration with 20 peers along with Agile development methodology to check and grade the code assignments
- Created an algorithm to scan the sub-paths from the targeted director and parse them into a YAML file, ensuring it worked on Linux, Windows and MacOS

Tarot Match, https://yanqiao4396.github.io/tarot-match **Spring 2022**
- Independently designed a webgame in the languages of HTML + CSS and Javascript
- Built the mechanism of flipping Tarot cards and matching them in pairs for players to win the game

Sheet Shuttle, https://github.com/GatorEducator/SheetShuttle **Spring 2022**
- Designed a plugin friendly tool that connects Google Sheets and GitHub by allowing the users to post collected data to issue trackers, pull requests, and files
- Worked in a team of 4 peers as a builder and tester, ensuring the tool has the appropriate Readme file

LEADERSHIP

Allegheny Chess Club Treasurer **Spring 2022 - Present**
- Manage organizational club of 30 students, overseeing the budget and activity funds of $200
- Submit organization's budget request for approval from student governing body in a timely manner
- Collaborate with board members to provide campus-wide events for student engagement

SKILLS

Programming Language: Python, Java, Go, C, JavaScript, HTML + CSS, Latex
Tool: NLTK, Pytest, Requests, Docker container, Poetry, Markdown, MacOS, Linux, WSL2 VM
Language: English *(Advanced)*, Chinese *(Native)*