Junyu (Tim) Yao

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EDUCATION

Washington College   Chestertown, MD (August 2018 – December 2021)
Bachelor of Science   **Overall GPA**: 3.4   **Major GPA**: 3.61
Major: Computer Science   **Minor**: Information Systems
Relevant Coursework: Software Engineering, Database Systems, Data Science, Object-Oriented Programming, Discrete Mathematics, Management Information Systems, Differential Calculus, Microeconomics, Macroeconomics

INTERNSHIP

Geographic Information Systems (GIS) Program, Washington College
Data Analyst Intern   Chestertown, MD (June 2021 – January 2022)
- Analyzed Maryland Commercial Vehicle Crash Data with Python and SQL.
- Searched, sorted, selected and made queries of the collision data with MySQL.
- Created data visualization tables with Qlik and analyzed data; created a master calendar for the fiscal year in Qlik; created a heat map using the time in Qlik.

PROJECTS

Inventory Manager Senior Capstone   Chestertown, MD (Fall 2021)
- Created software with user-friendly UI to help garment factory manage their inventory.
- Used the Agile Development Method to develop software.
- Used Python Pyqt5 and MySQL to complete the entire front-end and back-end of the software.

IM Made EZ Sports Competition Software   Chestertown, MD (Fall 2021)
- Created a program that allows students to organize and participate in athletic competitions on campus.
- Worked with 4 group members and used the Agile Development Method in the process of development.
- Used Python Pyqt5 and MySQL to complete the entire front-end and back-end of the software.

Air Pollution vs. Global Warming Data Science Project   Chestertown, MD (Fall 2020)
- Analyzed air pollution and temperature data.
- Investigated the relationship between air pollution and temperature change over the last fifty years.
- Used Python library (Pandas and Beautiful Soup) to analyze data and create various charts in Jupiter notebook.

EXTRACURRICULAR ACTIVITIES

Chinese Culture Club, Washington College President   Chestertown, MD (August 2019 – January 2022)
- Led the club to successfully unite Chinese students living on campus, and promoting Chinese culture
- Promoted club activities to all students, faculty and staff via email.
- Planned, prepared and executed multiple events on campus (pre-Covid-19) such as the Lunar New Year celebration, the Autumn Festival celebration, and Tea Party
- Managed $4000 budget annually to ensure the club expand its influence

E-Sports Club, Washington College Member   Chestertown, MD (August 2019 – January 2022)
- Planned and prepared weekly training, Identified top performers in the club, practiced for competitions, and competed with other teams
- Communicated with group members, reviewed the weekly games and discussed past performance

SKILLS

Languages: Fluent English, Native Mandarin   **Art Technology:** Final Cut Pro, Lightroom

Software: MySQL, ArcGIS, Tableau, Microsoft Office Suite

Computer programing languages: C++, Java, Python, SQL, HTML, Swift UI