Mai Nguyen Dac

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EDUCATION

Allegheny College, *Meadville, PA*   **Expected Graduation: May 2023**
Bachelor of Science in Computer Science   **Department GPA: 4.0/4.0**
Double Minor: Chinese and Math   **Cumulative GPA: 3.97/4.00**
Distinguishments
Outstanding Major Junior Prize *(Recognition for highest achievement Junior majoring in Computer Science)*   **Spring 2021**
Alden Distinguished Scholar *(second highest honor for academic achievement)*   **Fall 2019 - Spring 2021**
Relevant Coursework
Software Engineering, Cybersecurity, Artificial Intelligence, Data Analytics, Programming Languages, Microeconomics, Linear Algebra, Data Structures, Computer Organization

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COMPUTER PROGRAMMING EXPERIENCE

Research Assistant - Software Developer Assistant , *Allegheny College*   **May 2022 - Present**
- Collaborated with Professor to gamify the curriculum of fundamental Computer Science course at Allegheny College
- Monitored and constructed docker containers operated on VScode that can handle the traffic of 40 students working synchronously using JavaScript and NodeJs
- Developed Clive - a Discord chat bot working as a class assistant
- Implemented error logging program using Winston package in NodeJS to increase error tracking efficiency
- Designed coding assignments and documentation for Computer Science 100 class

Technical Leader, Computer Science Department, *Allegheny College*   **August 2020 - Present**
- Assist professors in 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
- Grade/analyze papers and labs and consult students with constructive feedback

Research Assistant, Computer Science Department, *Allegheny College*   **June 2021 - September 2021**
- Applied Natural Language Processing techniques to enhance article searching experience
- Worked on text cleaning and ensured text quality, consistency, integrity using Pandas, NumPy
- Utilized K-means clustering algorithms to map words that coherently related together into clusters

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HUMAN RELATIONS EXPERIENCE

Data and Technology Intern, Residence Life, *Allegheny College*   **August 2022 - Present**
- Traced and monitored discrepancies in Allegheny College's housing directory of 1300 students using Excel and a third-party database system
- Automated the report system and ensure data integrity prior to sending it to fellow Resident Advisor and administration
- Communicated effectively with parents, students and administrations to resolve residential life related issues

Resident Advisor, Residence Life, *Allegheny College*   **September 2020 - May 2022**
- Helped 60 residents with their personal, academic, and social engagement within their living and learning environments
- Performed several administrative duties such as requesting maintenance, finishing annual reports/announcements, reporting college violations, etc.

Talent Acquisition Service Intern, H.R. Department, *Techcombank Head-quarter*   **May 2020 - August 2020**
- Assisted headhunt and Talent Acquisition unit in organizing Recruiting Day, with more than 1000 applicants
- Directed successful candidates' with onboarding procedure, maintaining confidentiality
- Processed and finalized paperworks for high-ranked foreigner experts in the age of CoronaVirus, working closely with Immigration Department, Department of Health and Consular Department

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PROJECTS

Lipstick Virtual Try-on, https://github.com/Mai1902/MachineLearning-VirtualTryon   **Fall 2021**
- Utilized openCV and NumPy to design a lipstick virtual try-on tool that can return natural lipstick color on any skin tone by improving blending algorithm

PovertyvIQ, https://github.com/Mai1902/DataAnalytic-Povertyv.IQ   **Spring 2021**
- Analyzed and demonstrated the correlation between poverty and IQ by database across 100 different countries using R Studio

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SKILLS

Programming Language: Java , R , Python, JavaScript, C
Framework: Tensorflow, openCV, NLTK, Spacy, NodeJs, SQL, Scrum methodology, Agile
Language: English (*Advance*), Chinese *(Intermediate)*, Vietnamese *(Native)*