

Junqing Peng (male, D.O.B: Feb.10, 2000) wechat: benpq2000
Country of citizenship: CHINA

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EDUCATION BACKGROUND

Pennsylvania State University, State College, PA, USA *Aug.2023 - May.2025*

- Major: Applied Statistic, Master of Applied Science GPA: 3.81/4.0

Arizona State University, Tempe, AZ, USA *Jan.2019 - May. 2023*

- Major: Mathematics, Bachelor of Science GPA: 3.63/4.0
- Honor List: Dean's List for 2019 Spring, 2020 Spring, 2021 Fall and 2022 Spring

PUBLISHPMENT

Peng, J. (2023). Research on high pricing smartphone. *Advances in Economics, Management and Political Sciences*, 18(1), 360–363. <https://doi.org/10.54254/2754-1169/18/20230098>

RESEARCH PROJECTS

Artificial Intelligent & Data Science *July.2024 - Aug.2024*

- The program gave a specific introduction to the generative methods in ML and AI, which instructed by Mark, a professor from Massachusetts Institute of Technology
- Taking part in the lectures about sequential model, nature language processing, generative model, computer vision, pre-trained large model algorithm and applications based on deep-learning.
- Learned the overview of different models and essential aspects of these models including activation function, attention mechanism, dropout and softmax.
- Response for explanation of the CycleGAN in the final group project

Financial Analysis & The Capital Asset Pricing Model *Oct.2022 - Nov.2022*

- Instructed by Colleen Honigsberg from Stanford University and Lu Zhang from China Agricultural University
- Taking part in the lectures about Corporate Finance, Financial Statements & Analysis, Ratio Analysis, Market Efficiency, the Capital Asset Pricing Model
- Learned to read the Income Statement, the Balance Sheet, and the Statement of Cash Flows and understand the basic relationship between the financial statements
- Used ratio analysis to compare the profitability and operating performance of different companies within the same industry and consider the stock performance of these companies

RELATED PROJECTS

Sampling Theory and Methods *Jan.2024 - May. 2024*

- Instructed by the Prof. Mosuk Chow
- Aimed to use two-stage method
- Compare the unbiased estimator and ratio estimator
- Responsible for coding and presentation.

Regression Analysis *Sept.2023 - Nov. 2023*

- Instructed by the Prof. Andrew Wiesner
- Aimed to find best regression model using different data sets
- Conducting analysis using RStudio.
- Completed 3 projects individually and 1 group project.
- Responsible for the final checking, organization, and 2 parts of the project.

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Computational method for image processing

Jan.2023-Apr.2023

- Instructed by the Prof. Malena Espanol
- Main topic of the class is to using different way to deblur the image using MATLAB.
- Involving a group project aimed to find a good method for facial recognition
- Responsible for trying to find a alternative way for facial recognition besides the eigenfaces method
- Manipulating matrix, eigenvalue and linear combination using MATLAB

Innovation in Society

Sept.2021-Dec.2021

- Instructed by the Prof. Christy Spackman
- Aimed to find a good way for kids to learn computer
- Completed section 3 and section 4 writing, implemented four references as well as the readings

PRACTICAL EXPERIENCE & INTERSHIP

Corerain Technology Co., Ltd

Summer Internship

Jul.2023-Aug.2023

- Position: Assistant of Engineer focusing on Corerain technology and services
- Focusing on Corerain services setting up and management.
- Implement services including people detection and safety helmet detection using Corerain platform.
- Setting up discrete GPU which is used to train the model with Baidu FeiJiang platform.

Jinan Lanpu Information Technology Co., Ltd

Jul.2020-Aug.2020

Summer Internship

- Position: Assistant of Engineer focusing on Big Data Development for User Label;
- Responsible for user label modeling and user label collection with oracle, hive, mysql and other data sources;
- Responsible for data processing: multi-task concurrency and loading by priority, multi-tasking data processing such as data merging, position increment processing and conversion from row to column ;
- Responsible for importing data into the ES library and making the Hive data mapping into ES format data

Work Experience

China Unicom Data and Intelligence Co. Ltd

Aug. 2025 - Now

- Position: Artificial intelligence Engineer
- Responsible for data processing, AI model generation and application

Part-Time Grader At Pennsylvania State University :

Jan. 2025 - May 2025

- Position: Part-Time Grader for STAT 506 Sampling theory and method;

COMPUTER SKILLS

1. Java: including object-oriented programming.
2. Python: Using python to analyze the data including regression.
3. Matlab: Manipulate the matrix to deblur the the images.
4. RStudio: Using RStudio to analyze the data including regression.
5. SAS