Yewen Zhou

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EDUCATION

Columbia University **New York, NY**
M.S. in Data Science *Aug 2021 – Dec 2022*
Coursework: Algorithms, Data Visualizations, Applied Machine Learning, Applied Deep Learning

University of California, Berkeley **Berkeley, CA**
B.A. in Data Science, Business Analytics concentration, GPA: 3.93/4.0 *Aug 2019 – May 2021*
Coursework: Data Structures, Artificial Intelligence, Data Science Techniques, Probability, Time Series, Causal Inference

East Los Angeles College **Monterey Park, CA**
A.A. in Mathematics & A.S. in Economics, GPA: 4.0/4.0 *Aug 2017 – June 2019*
Coursework: Linear Algebra, Ordinary Differential Equations, Calculus, C++, Java

SKILLS AND TECHNOLOGIES

Programming:	Python, Jupyter, SQL, R, Java, HTML/CSS/JavaScript, C++
Python Packages:	Pandas, Numpy, Scipy, Scikit-learn, Sympy, Matplotlib, Seaborn
Other:	LaTex, Git

PROFESSIONAL EXPERIENCE

iQIYI, Inc. **Beijing, China**
Ads Algorithm Backend Intern *May 2021 – Aug 2021*

- Developed testing framework for the emulator in assisting automatic validation process.
- Developed a time series module for inventory prediction.
- Developed High Water Mark (HWM) algorithm from scratch for offline contract allocation testing.
- Conducted research on real-time bidding and reported to manager possible algorithms based on more than 20 articles.
- Maintained codes at remote repository and mastered basic techniques of git.

Goodly Labs, Inc. **Berkeley, CA**
Research Assistant *Aug 2020 – May 2021*

- Lead a team of 3 undergraduate students supporting the validation application of the Public Editor system.
- Developed architecture based on Krippendorff's alpha, providing insights into the reliability of the program to clients.
- Report to the CEO and the mentor of Goodly Labs regularly to ensure maximum efficiency of the team's progress.
- Link: https://github.com/Hegelim/PE-Validation-Fall-20

PROJECTS

Open source: the solveminmax Python package **May 2021 - Present**

- Implemented a Python module that solves a sum of min and max equations using regular expressions, numpy, sympy, matplotlib, etc.
- Created unit testing using pytest to validate the module extensively with more than 30 testing cases.
- Link: https://github.com/Hegelim/solveminmax

UC Berkeley: hand-written digits classification **June 2020 – Aug 2020**

- Classified MNIST handwritten digits using a fine-tuned two-layer neural network, reaching a cross-validation accuracy of 97.7%.

UC Berkeley: Gitlet **Apr. 2020 – May 2020**

- Built a version-control system in Java from scratch that mimics the features of Git using data structures, OOP, graph-traversal, file-reading/writing, serialization, and error-handling.
- Extended features as in git remote and earned full extra credits.

UC Berkeley: spam/ham email classification **Apr. 2020 – May 2020**

- Developed a logistic regression model using one-hot-encoding and automated feature selection based on word occurrences, improving classification accuracy from 87% to 99%.
- Participated in the course competition and ranked No.3 among more than 1000 submissions.