WeiBang Huang

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EDUCATION

Stony Brook University, Stony Brook, NY
August 2016 - December 2020
Bachelor of Science in Applied Mathematics & Statistics + Information Systems
Concentration: Financial Information Systems

PROJECTS

Android Application Development (Self)
- Developed an online multiplayer tic-tac-toe game with Java/xml Android Studio using Google Firebase Realtime Database.

Data Mining/Website Scraping (Self)
- Utilized Python BeautifulSoup to extract 2000+ CSV files from raw html, and Selenium to scrape through Instagram.
- Applied MySQL Workbench for data cleaning/wrangling.
- Analyze graphs (scatterplot, heat matrix, density distribution) on Plotly Express hosted by Heroku and Tableau.

Fundamentals of Computer Vision (CSE 327)
- Used opencv2 in Python to merge multiple image angles into one image.
- Formulated and optimized algorithms for bird/human detection and various image filters such as Gaussian Blur.

Database Design and Practice (ISE 305)
- Developed a storage management system in MySQL and Access utilizing SQL and database design principles.

TECHNICAL SKILLS

Java, Python, Xml, Html/CSS, Access, MySQL, R, LaTeX, Perl, MatLab, Photoshop, Illustrator, Tableau

PROFESSIONAL EXPERIENCE

Undergraduate Teaching Assistantship, Stony Brook, NY
August 2018 - December 2018
Differential Equation Calculus Teaching Assistant
- Constructed homework solutions weeks in advance to assist students during office hours.
- Exceeded delegated responsibilities by hosting extra office hours to assist struggling students and consequently improving passing percentage by 10%.
- Graded 150+ homework each week with helpful comments catering to each student.

Residential Safety Program, Stony Brook, NY
August 2018 - May 2019
Fieldworker
- Ensured all campus doors and card readers are functioning and recorded each condition using strict punctual guidelines.
- Provided timely and effective assistance to all emergency events (including midnight walking service, fire alarm, etc) by following strict legal protocols and communicating through professional radio codes.

Tim Ho Wan, New York, NY
May 2017 - August 2017
Prep Cook
- Prepared 300+ baskets and 5+ trays of Cantonese dishes daily while learning dim-sum techniques to carry on the millennia tradition.
- Communicated and translated in Cantonese, Mandarin, English to manage the restaurant's previously incongruous language barriers.

EXTRACURRICULAR

Stony Brook Martial Arts Association, Stony Brook, NY
August 2019 - May 2020
Social Media Manager
- Designed appealing and contemporary handouts/posters in Adobe Photoshop and Illustrator to market Stony Brook Martial Arts Association online and on campus.
- Managed social media accounts by posting club events and responding to inquiries in a professional, timely, and informative manner.
- Assisted instructors with demonstrations and engaged newcomers in an approachable and communicative manner.
- Secured increased club fundings by retaining more club members, and hired an additional instructor.