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

PROFESSIONAL EXPERIENCE

Undergraduate Teaching Assistant, Stony Brook, NY   Fall 2018
Differential Calculus TA
- 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   Fall 2018 - Spring 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   Summer 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   Fall 2019-Spring 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 patient manner.
- Secured increased club fundings by retaining more club members, and hired an additional instructor.

TECHNICAL SKILLS

Java, Python, xml, html, Access, MySQL, R, LaTeX, Perl, Photoshop, Illustrator, working towards Actuary P Exam certification

PROJECTS

Android Application Development
- Developed and published a tic-tac-toe application with Java/xml Android Studio on Google Play Store.

Website Data Mining/Data Scraping
- Utilized Python beautiful soup to automate the extraction of 2000+ CSV files from basketball-reference.com's html.
- Applied MySQL Workbench for data cleaning.
- Uploaded plotly express graphs online hosted by Heroku.

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.

Data structures and algorithms (ISE 305)
- Modeled a food storage management system in MySQL and Access utilizing SQL nesting that was beyond the course material.