

# WeiBang Huang

Website: [weibanghuang.github.io/weibang](http://weibanghuang.github.io/weibang) | Email: weibangh98@gmail.com

## EDUCATION

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**Stony Brook University**, Stony Brook, NY

August 2016 - December 2020

Bachelor of Science in Applied Mathematics & Statistics + Information Systems

Concentration: Financial Information Systems

## PROJECTS

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### **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

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

## PROFESSIONAL EXPERIENCE

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**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

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**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.