SHALLY GUO

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EDUCATION

University at Buffalo, The State University of New York   *Anticipated May 2018*
- *Bachelor of Science,* Biomedical Engineering & Computer Science
- GPA: 3.311/4.0
- **Awards/Scholarships**: Engineering Principles Team Design Award (2013); UB Provost Scholarship (2013-14); ACV Auction's Best Data Hack (2017); Best Use of Amazon Web Services (2017)

WORK EXPERIENCE

Buffalo Automation Group, *Software Engineer Intern*   *September 2017-Present*
- Create Python scripts used to parse and format various files of raw data for further application towards data storage and querying
- Manage job scheduling of algorithms on high-performance computing cluster
- Conduct supervised machine learning on datasets gathered from Buffalo Automation's pilot projects

Catholic Health Systems, *Clinical Engineer Intern*   *July 2016—October 2016*
- Ensured a high standard of performance of medical devices through repairs, preventive maintenance (PM) checks, and quality inspections
- Designed and labeled medical devices and accessories in Mercy Hospital of Buffalo's OHU and CCU to ensure proper placement and return of devices and accessories throughout the hospital site

RELEVANT ACADEMIC PROJECTS

Cracking the Resume   *Present*
- Collaborate with four other team members to implement a web application used to allow users to upload their resumes and gather feedback from other users of the community
- Design non-relational data model and create database using MongoDB
- Create queries used to retrieve and display proper data from the database using JavaScript in NodeJS

Foodier   *September 2016-May 2017*
- Collaborated with three other team members to implement a web application used to recommend restaurants, given user input of location, budget, and preferred food dishes
- Utilized Yelp Fusion's API to retrieve data, given the user's input parameters, and filtered the relevant food
- Designed a simplistic, yet efficient, user interface using HTML and CSS

Biomedical Engineering Lab Project   *September 2015 – December 2015*
- Used BIOPAC with various transducers to collect data from 7 human subjects relating certain physiological changes caused by induced brain waves
- Evaluated the optimal method of creating a certain induced brain wave and further analyzed its statistical relevant effect on the subject's psychosomatic state

MEMBERSHIPS AND LEADERSHIP EXPERIENCE

Society of Asian Scientists and Engineers *Co-Founder & External Vice-President*   *September 2015 – May 2017*
- Implemented a mentorship program for undergraduate students to promote academic, professional, and social growth
- Collaborated with other organizations on campus to professionally develop the engineering community through networking and leadership events

Scientista, *Events Chair*   *January 2015 – December 2015*
- Strengthened the presence of the Scientista community on campus by arranging social and academic events for women in the STEM field
- Organized professional development workshops, panel discussions, and company information sessions

SKILLS

PROGRAMMING LANGUAGES: Python, JavaScript, HTML/CSS, Java, MATLAB
DATABASE: MongoDB, MySQL, postgreSQL, knowi
SOFTWARE: CADENCE, SOLIDWORKS, labVIEW