

DAVID CAO

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| EDUCATION | UNIVERSITY OF MICHIGAN B.S. Computer Science, May 2019 <ul style="list-style-type: none">• Cumulative GPA: 3.73/4.00• Relevant Coursework: C++ Data Structures and Algorithms, Web Databases• University Honors: Fall 2015, Winter 2016, Fall 2016 | Ann Arbor, MI |
| EXPERIENCE 2015-2016 | PHI CHI THETA PROFESSIONAL BUSINESS FRATERNITY Technology Chair <ul style="list-style-type: none">• Redesigned website using WordPress/HTML to create a strong brand and online presence across campus• Continuously manage and update website to maintain up-to-date information for rushees• Currently working to create online platform for members that consolidates academic and professional resources | Ann Arbor, MI |
| Summer 2014-2015 | ABBVIE PHARMACEUTICALS Data Science Intern <ul style="list-style-type: none">• Used R to program probability density functions using variables measuring arthritis severity (ACR20, ACR70) to help design a clinical trial for arthritis• Studied clinical trial process to improve understanding of statistical analytics in clinical trials• Tracked medical device inventories through Microsoft Excel worksheets to ensure safekeeping and reduce medical device overhead costs• Updated and disseminated informational documents detailing on-going clinical trials to alternate medical site in Germany to ensure an efficient and accurate clinical trial process | North Chicago, IL |
| PROJECTS October 2016 | MHACKS 8 Android Facial Recognition Application for Visually Impaired <ul style="list-style-type: none">• Built Android application to provide audible facial-recognition for the visually impaired• Used Microsoft facial recognition API to identify faces and compute similarities between the query face and all faces in contact list, returning candidate persons ranked by confidence level• Application used Android text-to-speech to say the name of person(s) in picture• Enhanced UI and UX to better accommodate the visually impaired | Ann Arbor, MI |
| 2015-Present | BLUELAB Hagley-Gap & Discovery (Sustainability Projects) <ul style="list-style-type: none">• Hagley-Gap: Prototyped a large scale solar dehydrator which concentrated sunlight to heat air in order to provide a economically-sustainable method to preserve fruits• Kulisha: Helped build Arduino devices for start-up company to automate data collection process in order to efficiently produce an environmentally-sustainable animal feed | Ann Arbor, MI |
| 2016-Present | ACCELERATE CS Community Service <ul style="list-style-type: none">• Google CS First program designed to foster computer science interest in young kids• Engaging with 6th graders in after school program every Friday to teach introductory computer science concepts and skills | Ann Arbor, MI |
| ADDITIONAL | <ul style="list-style-type: none">• Relevant Skills: C++ (Advanced), HTML (Basic), JavaScript (Basic), MySQL (Basic)• Working with a team to develop an Android mobile application that will create an in-building, pedestrian navigation system for blind and visually-impaired persons• ACT: 34, AP National Scholar, 2013 & 2015 ICTM State Math Champions• Band Board President, Varsity Cross Country, 2015 ILMEA All-State Selectee• Interests include hip-hop dance, YouTube filmmakers, and soccer | |