

## EDUCATION

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- **Ohio State University (OSU)** Columbus, OH  
*Bachelor of Engineering in Computer Science; GPA: 3.93* *Jan. 2020 – Aug. 2022*

## PROFESSIONAL EXPERIENCE

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- **Clinical Skills Education and Assessment Center | OSU** Columbus, OH  
*Web Application Developer* *Jan 2022 - May 2022*
  - **Raspberry Pi Server:** Designed and developed a light server running on the Raspberry Pi to control simulation equipment. Utilized multi-threading to separate front-end interaction and business logic.
  - **Web Interface:** Designed a user-friendly web interface to interact with nonprofessionals. Developed a customizable task queue with drag and drop features to enrich user scenarios and minimize user restrictions.
  - **Technologies Used:** Javascript, Python, HTML/CSS, Socket, JSON
- **Microsystems and Nanosystems Laboratory | OSU** Columbus, OH  
*Research Assistant* *May 2021 - Mar 2022*
  - **Data Processing:** Resolved a cumbersome manual training data preparation issue by designing and implementing an automated process that labels cells (ROIs) with an error of less than 3%.
  - **Training Models:** Obtained the most suitable AI model by researching object detection model papers. Trained the optimal model by adjusting the combination of training data and model parameters.
  - **Applying AI Model:** Designed a program for specific cell recognition and classification.
  - **Technologies Used:** YOLOv4, OpenCV, Python, ImageJ, NumPy
- **Department of Computer Science and Engineering | OSU** Columbus, OH  
*Teaching Assistant* *Jan 2022 - Aug 2022*
  - **Assist Students:** Assisted over 400 students by holding office hours and review sessions. Created a comfortable, friendly atmosphere for students, which encouraged and facilitated group study.
  - **Assist Professors:** Assisted course instructor with class preparation and course materials and introduced students to study strategies to ensure academic success.
  - **Technologies Used:** Code Review, Java, Javascript, HTML/CSS, Ruby, Ruby On Rails, Git

## TECHNICAL PROJECTS

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- **Qidian Information Exchange Board Website** *Aug 2020 - Oct 2021*
  - **Content:** Built and provided a platform where readers can share rebate links. The website checks link validity and stores rebate information for the convenience of readers, averaged 300 pageviews per day.
  - **Technologies Used:** Java, Spring Boot, Javascript, Restful API, MySQL, HTML/CSS, JSON, Regular Expression
- **Youtube Comments to Images Website** *Jun 2020 - Jul 2020*
  - **Content:** Built and provided a website that exports the youtube video comments into canvases. Users can customize the style of the canvas and download all the pictures they want as a zip file for video editors.
  - **Technologies Used:** Javascript, Canvas, HTML/CSS, Restful API, Bootstrap, Oracle
- **Buckeye Roommates** *May 2021 - Aug 2021*
  - **Content:** Designed a full-stack website that caters to those interested in finding roommates.
  - **Technologies Used:** Ruby on rails, Ruby, Javascript, HTML/CSS, YAML, MVC, Devise, Bootstrap
- **Easy Sublet Android App** *Jan 2022 - May 2022*
  - **Content:** Designed an Android App that helps end-users to sublease their places when needed.
  - **Technologies Used:** Android Studio, Java, MVVM, XML, Firebase
- **Cat Food Calculator:** Designed a website to guide cat owners make homemade cat food.
- **Wechat Group Bot:** Designed a bot to assist Wechat group owners manage their groups.
- **Compiler:** Designed a language compiler with the help of JFlex and CUP based on Java.

## PROGRAMMING SKILLS

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- **Languages:** Java, Javascript, SQL, Python, Ruby    **Technologies:** Spring Boot, Restful API, Oracle, Docker