

Haobo (Jacky) Cheng

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SUMMARY

- Good at coding and formulating plans and goals. Strong foundation in Mathematics. Able to quickly adapt to different situations. Critical thinking skills. Good at communicating with the team. Be willing to encounter challenges and learn new things.

EDUCATION

Georgetown University Mathematics and Statistics Master GPA: 3.9 / 4.00	Jan 2021 - Dec 2022 Washington, DC
Baylor University Mathematics Major & Computer Science Minor Bachelor Major GPA: 3.61 / 4.00	Aug 2015 - Jul 2019 Waco, TX

SKILLS

- **Skills:** Comfort with Python, C++, Javascript, PHP, SQL, Angular, and Flask framework design. Experienced in Java, C.
- **Languages:** English (Fluent), Chinese (Native)

PROFESSIONAL EXPERIENCE

Bstrong Technology Inc. Web Application Developer	Sep 2019 - Oct 2020 Richardson, TX
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- Website Development
 - Designed and programmed **responsive, mobile-friendly** websites for restaurants by using **Javascript, HTML, CSS, PHP, Bootstrap, and Shopify**. Examples of works are bstrongtech.com, Hungrycrabseafood.com, and TokyoHarbor.com.
 - Design and develop websites in the **Angular.js** framework using **Service, Ag-grid, and HighChart** for data visualization. An example of work is <https://angular-ivy-blorgd.stackblitz.io>.
 - Set up the website environment in the **VPS server** by using **shell commands**. Also, be familiar with **cPanel** operation.
 - In charge of 50+ restaurant websites' security, content updates, UI Modification, and Domain management.
 - Designed and Programmed the Almenu Online Order Owner Management website User Interface. Using **Vue.js, BootstrapVue, Google Firebase, Javascript, HTML, and CSS**.
- Mobile Application Frontend Development
 - Designed and programmed Almenu Online Order App User Interface using **Google Flutter, Dart, Java**, and Google Firebase. Developed in the **Android Studio** environment.
- Restaurant POS System
 - Familiar with the operations in **Supermenu, Menusifu** Java-based restaurant **POS system**. Experienced in the restaurant **Order System**.

PROJECT EXPERIENCE

"Pet Uber" Test Manager & UI Manager	Sep 2017 - Nov 2017 Baylor University
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- The Pet Uber pet sitting appointment site provides the framework to facilitate the arrangement of pet sittings between owners and pets through the use of the site's calendar and event creation facilities. This system is built from a **model-view-controller architecture**, using **Elasticsearch** as its database, **Java Spring architecture** for the backend logic, and using **React** for the front end. The whole project was on controlled by using **Git**. Used techniques: **CSS, PHP, Javascript**.
- Test Objective: Ensure database access methods and processes function properly and without data corruption.

"Task Manager" UI Designer & Database Manager	Mar 2018 - May 2018 Baylor University
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Using the Codeanywhere platform to accomplish a group management platform with an individual database and user interface. Including the following properties:

- Create a group, Create a task, Join an existing group, Leave a current group, Delete Task, Delete a group, Edit a task's progress.
- Fancy UI with Navigator, Gif & Pictures, styled frames, adjacent frames, etc...

Properties are coded in **PHP** for **UI development** and **data manipulation**, **MySQL** for searching and storing the data, and **CSS** for styling the UI.

INTERNSHIP EXPERIENCE

Xi'an Jiaotong University JUMP Network Technology Co., Ltd. C & Python Developer Intern Research and Development	Jan 2021 - Jun 2021 Xi'an, Shaanxi, China
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- Participated in the development of the "**Website security monitoring**" product.
- Designed and coded **Scrapy spiders** and **middleware** in **Python** to fulfill some specific filtering functions including:
 - **Crawl** information from standard virus database (NSFOCUS Security vulnerability Library) and update product database.
 - **Crawl** websites and build site tree to analyze and evaluate the degree of security vulnerabilities
 - Implement web user **request capture** and **tampering** with **Mitmproxy**.
- The whole project is developed for both **Linux** and **Windows**. **Git** is used throughout the development process.