CHEN YE

✉ yechen2019@gmail.com 📞 929-418-5153 in[Linkedin-Chen-Ye](#) ⬡[GitHub-Chenyc666](#)

EDUCATION

University of Maryland, *College Park, MD* — Aug 2021 - May 2024
B.S. Computer Science — GPA: 3.4
Relevant Coursework: Algorithms, Data Structures, Object Oriented Programming I/II, Data Science, Linear Algebra, Artificial Intelligence, Programming Language Technologies and Paradigms,Web Application Development with JavaScript, Organization of Programming Languages, Computer and Network Security, Programming Handheld Systems Computer Systems, Discrete Structures, Calculus I/II/III

LaGuardia Community College, CUNY, *Long Island City, NY* — Sep 2019 - Aug 2021
A.S. Computer Science — GPA: 3.9

EXPERIENCE

BEANS NUTRITION LLC, *Database Administrator, JavaScript, Lark, Google Cloud* — June 2024 - Present
- Automating Warehouse Operations with JavaScrip. Developed JavaScript scripts to automate the creation of shipping documents, streamline the dispatch process, and send real-time notifications to warehouse staff and drivers, significantly reducing manual inventory management errors and improving operational efficiency
- Inventory Management System Development on Lark. Engineered an inventory management system on the Lark platform, integrating real-time stock updates and inventory tracking. Utilized scripting to ensure consistency between virtual and physical stock levels. Implemented BeautifulSoup to automate discrepancy alerts, enhancing system reliability and operational responsiveness

University of Maryland Good Tidings Catering, *Website Developer,* — Sep 2023 - May 2024
- Helping and advising distributing the website of University of Maryland Good Tiding Catering for higher working between workers know their shifts using JavaScript, HTML, CSS, Google Docs

Bitcamp-Hackerton Real Estate Website Project, *Developer, Python, APIs, JavaScript, HTML, CSS* — April 2022
- Developed a real estate website enabling users to seamlessly search for property information.
- Integrated essential functionalities utilizing **APIs** including **Zillow API** and **Google Maps API**.

D&T TAX Inc., *Technical internship, Excel, JavaScript, HTML, CSS* — June 2021 - Aug 2021
- Utilized JavaScript and TypeScript to automate routine data entry processes, converting data into PDF and CSV formats. This implementation significantly enhanced operational efficiency by streamlining document management and data processing workflows
- Developed and deployed company website interactive pubic announcement and advertising display screens using JavaScript, HTML, and CSS.

PROGRAMMING AND LANGUAAGES SKILLS

Programming: Java, Python, Dart, OCaml, Ruby, C/C++, Rust, Javascript, HTML/CSS, Dafny, Haskell, R, SQL
Frameworks/Libraries:: Node.js, React, xUnit/JUnit, Jupyter, MongoDB, Bootstrap, Angular, Pandas/NumPy, AWS, Redis
Tools/Operating Systems: Git, Linux, macOS, Windows, Anaconda, Flutter, Android Studio, VM, Docker, REST API
Proficiency Languages: Chinese (Mandarin & Cantonese), English

PROJECTS

Flutter Cross-Platform Errands App, *MongoDB, Dart, Android Studio, APIs, Flutter Map, Redis* — Jan 2024
- Developed a full-stack software solution using **Flutter** and **Dart**, showcasing proficiency in creating visually and functionality responsive user interfaces for both **iOS** and **Android platforms**.
- Devised an errands app which allow user to post a request task. A tasker can pick a task from various categories tasks. Storage user and app data in **MongoDB** and **Redis** data base.

Neural Networks and Optimization Training, *Python, Numpy/Pandas, Jupyter Notebook, PyTorch* — Oct 2023
- Training and application phases of the **neural network** and adjust the network's weights and biases using gradient descent. Use different parameters to control the step size during gradient descent to **visualize** the results using open-source **ML/AI**.

SaaS Store: Cloud and React Based App Purchase Platform, *React.JS, SaaS, Google Cloud, AWS* — July 2023
- Designed and implemented a web application for software purchase with **React JS**
- Improved the authentication using token-based registration/login/logout flow with **JWT**
- Launched a microservice in **Go** and deployed to **Google Cloud**. MySQL database hosted on **AWS RDS, CRUD** operations with Spring Data

Mini-Spotify, *Jetpack, Kotlin, Android Studio, Google APIs* — July 2023

- Built the feed/album/favorite UI in Jetpack Compose following MVVM architecture
- Designed a Kotlin Spotify favorite app by fully leveraging Android Jetpack Library

Data Science Analysis Project,   *Python, Numpy, Pandas, Anaconda, SQL, Matplotlib, JSON*   May 2023

- Developed and compared five diverse predictive models **(ML)** using effective algorithms (**linear regression, decision tree, Support vector machines)** rigorous evaluation techniques, and strategies for handling outliers to accurately estimate student GPA and provide a comprehensive solution and **data analytics** for educational institutions

Online Test System,   *Java, OOP, Junit tests, MVC*   Oct 2021

- Using map, Array List, stack in Java to design and implementation of object-oriented software systems.
- Implement the data manager of an online test system. The system allows for the definition of exams with three possible kinds of questions: true and false, multiple choice, and fill-in-the-blanks questions.
- The system will grade submitted exams and generate some statistical information such as mean, median , standard deviation suggestion grade cutoff and curve from a class exam