

Tiffany Chien

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EDUCATION

University of Pennsylvania Expected Dec 2022

Master of Computer & Information Technology - GPA 3.93/4.0

Coursework: Data Structures and Algorithms, Discrete Math, Software Analysis, Database

Soochow University

Sep 2016 – Jun 2019

Master of Laws - GPA 3.9/4.0

TECHNICAL SKILLS

Programming Languages

Java, Python, JavaScript, TypeScript, Node.js, Swift, C/C++

Web Development

HTML / CSS, React, Angular, Bootstrap, JQuery, Material UI

Operating Systems

Linux, Mac OSX, Windows

Database

SQL, MongoDB, GraphQL

Cloud

AWS, Oracle, Firebase

Tools

Git, Android Studio, XCode, LaTeX

PROJECTS

Shopee

Aug 2021 – Present

E-Commerce Platform

- Java, REST API, Spring Boot, TypeScript, Angular, HTML, CSS, MySQL, Kubernetes
- Developed an E-Commerce Platform with Shopping Cart, Checkout, User Registration capabilities
- Applied Angular pagination, sorting to REST API endpoints to display views of REST API data efficiently
- Implemented OAuth 2 to communicate with resources by exchanging access tokens for authentication

Covid-19 & Flu Cases Tracker

Aug 2021

- Java, JUnit, REST API, Design Patterns; Group Project for CIT594
- Implemented TXT/CSV/JSON reader to read csv files with data rows efficiently by matrix and sliding window
- Tracked flu population and location by detecting flu related keywords and analyzing coordinates in tweets

Diabetes Prediction Model

Jul 2021

Machine Learning

- Python, File Parsing, Pandas, NumPy, Matplotlib, Seaborn, Logistic Regression Algorithm
- Predicted a person suffering from diabetes or not with accuracy of 74% by Logistic Regression Algorithm
- Visualized data points and increase data visibility and readability by Matplotlib and Seaborn

Task Management Application

May 2021

- JavaScript, React, Material-UI, HTML, CSS, Firebase
- Implemented a web application and utilized React Components to change icon according to user input
- Deployed application on Firebase as backend which supports creating tasks with labels

PROFESSIONAL EXPERIENCE

Teaching Assistant

Aug 2021 – Present

University of Pennsylvania

- Taught introductory computer science material to weekly recitation section of 20 students
- Held weekly office hours to answer student questions regarding homework and in-class material

Open Source Contributor

Jul 2021 – Jul 2021

Eclipse Adoptium, Spring Cloud

- Troubleshooted and debugged edge case bugs in arrays in Eclipse Aqavit by JavaScript and React
- Identified and added load-balancer cache configuration warnings to Spring Cloud Commons

AWARDS AND ACTIVITIES

Relevant Courses

iOS Mobile Development Certification (CodePath), Machine Learning by Stanford(Coursera)

Awards

AWS Machine Learning Scholarship Program (June 2021)