

# Tiffany Chien

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## EDUCATION

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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

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### 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

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### 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 pagination, sorting to REST API endpoints and Angular pagination to display views of REST API data
- Implemented OAUTH 2 to communicate with protected 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 581326 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 768 data 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

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### 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

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### Relevant Courses

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

### Awards

AWS Machine Learning Scholarship Program (June 2021)