Tiffany Chien

tiffanychien9@gmail.com (919) 949-5865 tchien.me in/tiffanyychien Tiffany-Chien

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++

Operating Systems
Linux, Mac OSX, Windows

Cloud
Amazon Web Services, Google Cloud Platform, Netifly, Firebase

Web Development
HTML / CSS, React, Angular, Bootstrap, JQuery, Material UI, GraphQL, REST API

Database
NoSQL, MySQL, MongoDB, GraphQL, Oracle

Tools
Git, Android Studio, XCode, LaTex

PROJECTS

Shoppee 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)