

Vivian Tang

Phone: (253) 792-1799 | Website: www.vivianyangtang.com | Email: vivian1799@outlook.com

OBJECTIVE

Looking for New Grad Software Engineer Position starting from 2021 Jan

EDUCATION

Columbia University Aug. 2019 – Dec. 2020
Master of Science in Applied Analytics GPA: 3.83/4.0
New York, NY

University of Washington Sept. 2014 – Jun. 2019
Bachelor of Computer Science and Bachelor of Mathematics
Minor in Applied Mathematics GPA: 3.7/4.0 Tacoma, WA

Relevant Coursework: Data Structure · Algorithm · Object-Oriented Programming · Database System Design · Software Development · Mobile Application Programming · C for System Programming · Probability · Matrix Algebra · Abstract Algebra · Calculous · Regression Modeling · Managing Data · Data Analysis · Real Analysis

Honors: Dean's List (2014- 2016, 2017 Spring, 2019 Winter), Member of Pi Mu Epsilon Honor Society

TECHNICAL SKILLS

Language: Java, Python, MATLAB, C, HTML/CSS, JavaScript
Framework: Bootstrap, Node.js, AWS, Docker, Codeanywhere, Spring Boot, React.js
Database and others: MySQL, MongoDB, Cassandra DB, Thymeleaf, Heroku, Android Studio, jQuery, Django

WORK

Rongbang Science & Technology Company Limited, a subsidiary of China UnionPay Aug. 2018 – Sept. 2018
Software Engineer Summer Intern Guangzhou, CHINA

- Designed and developed an SMS/Email message routing and verification code dispatching feature interfaces for a cloud accounting platform using **Spring MVC** and **RESTful API**
- Modularized and customized the above feature for 11 different clients, serving totally 3K tps traffic with 3ms P99 latency, deployed on Alibaba Cloud
- Created regression test suites using **JUnit** and managed by **Maven**

University of Washington, Teaching and Learning Center May. 2016 - Mar. 2018
Quantitative Tutor Tacoma, WA

- Tutored 200+ undergraduates in Programming, Data Structure, Discrete Math and Calculus for 10 hours per week and improved the grades of the majority of students from below-average to above-average
- Organized workshops focused on Calculus and Differential Equation and distributed study guides and lesson plans to students for academic supports and supplemental materials

PROJECTS

Spring Boot Blog Project August 2020

- Built an interactive blog website and implemented features including user management, user authentication, blog management, comment, likes, tag and search
- Leveraged **Thymeleaf/Bootstrap/jQuery/CSS** to build the frontend with 15 interfaces
- Connected Web services to an **MYSQL** database using **JPA** and **Hibernate** with Spring Boot
- Secured backend endpoints using **ROLE** based security with **Spring Security**, used **Elastic Search** to search and containerized the entire project with **Docker**

Web Portfolio www.vivianyangtang.com July 2020

- Built a static website using **HTML/CSS/Bootstrap** and deployed on **Amazon AWS**
- Automated static website deployment from GitHub to S3 using **AWS CodePipeline**

Socks Marketing Project, University of Washington May 2019

- Led a team to build a website to sell socks using **HTML/CSS/JavaScript** backed by **PHP** and **MYSQL** database on Codeanywhere
- Designed the database schema and implemented the **SQL** connection interface; visualized the database with **DB schema/ER Diagram**

Social Media Mobile App Project, University of Washington March 2019

- Developed an application comparable to Twitter Android App with features including user authentication, friend connection, real-time chat, notification and retrieving weather. Practiced Agile development methods on GitHub
- Built the app UI with 13 interfaces in **Android Studio** and deployed the app on **Heroku** and collaborated with 4 teammates by leveraging **Git** version control
- Used **Postman** to test through the early process and used **Pushy** to implement real-time chat and sent notifications