

Tom Cai

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SUMMARY

- **Objective:** 2020 Summer Software Developer Internship
Background: Bachelor degree candidate has a wide range of internship experience and project experience, including Full Stack Development, web application development, string programming skills in **Java**, **HTML5/CSS3**, **SQL**, **Python**, **JavaScript**, familiar with **Git**, **Docker**, **Restful API**, **AWS**, **SpringBoot**, **Spring Data JPA**, **Hibernate**, **Webpack**, **ReactJS**, **Vue**, **Bootstrap**, **jQuery**

EMPLOYMENT EXPERIENCE AND RESEARCH EXPERIENCE

- **Unibit Inc:** finance data company Allston, MA
Full Stack Software Intern May 2019 - August 2019
 - **Unibit API :** platform to offer uniform and standardized financial data throughout
Developed whole backend logic and **RESTful API** using **Java**, **SpringBoot**, **Spring MVC**, **Spring Data JPA** and **Hibernate**. Deployed backend on **AWS**, **EC2** server using **Docker**. Customized test cases with **JUnit** and **Mockito** to keep Spring Framework light and fast.
 - **Developing and Leveraging Databases:** Implemented normalization of the databases in **MySQL** which contains more than **300K** records, decomposed relational data tables.
 - **API documentation:** Cooperated with Product Manager to compose Unibit API documentation for over 1000 customers, save **5%** time.
 - **Data Terminal:** User friendly platform to get more comprehensive and powerful data
Incorporated backend Company Financials Services over **3500** companies, utilized by **accenture** and **salesforce**.
 - **Company Website:** Collaborated with UI designers and other developers to build website with user-friendly interactions and experiences, using **Vue** framework.
 - **Software Development Kit:** Accomplished client-side implementation of the UniBit API, including python functions for each available API calls.
- **Huanshitong Construction Machinery Company** Baotou, Inner Mongolia
Full Stack Software Intern July 2018 - September 2018
 - **E-Inventory Management System:** Implemented Customer and Commodity Management services, saving **30 %** time-cost from traditional management system and creating extra **3000\$** profit.
 - **Simulation Data:** Designed modification data in **MySQL** to ensure smooth running of the Inventory Management System and communication with **MyBatis** configuration, decomposed complex relational data tables.
- **RESOLVE Software Research Group** Greenville, SC
Research Assistant May 2018 - July 2018
 - **Tutorial Web:** Applied **Git** to cooperate with 2phd computer science students, overseeing design of website through **HTML5**, **CSS3**, **Bootstrap**.
 - **Automatic creative lesson machine:** Employed **Jekyll** generating liquid model to efficiently import 100 lesson documents.

PROJECTS EXPERIENCE

- **BootDo Background Management System:** **Java** based Background Management system, including System modulo, Office modulo, blog modulo, and department modulo. Integrated frontend for whole management system, utilizing **jQuery**. Instituted **Spring MVC** backend part of different modulo functions, using **Java**, **SpringBoot**. Utilized **Mybatis** and **Hibernate** to provide better support of database operations.
- **News Publishing Platform:** **ReactJS** based News Publishing Platform, news platforms for users to catch up worldwide news. Designed and implemented the web services with **ReactJS**, **Webpack** for online comment service. Initiate Home Modulo, Person Center modulo and News Details modulo, using **Ant Design**.

EDUCATION

- **Washington University in St.Louis** Missouri, USA
Bachelor of Science in Computer Science; *Expected Graduation : May 2021*
- **Denison University** Ohio, USA
Bachelor of Art in Mathematics; *August 2016 – June 2019*