

Aria Jiang

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MSCS Student Proficient in Python, Java, JavaScript with Experience in Web Development

EDUCATION

Columbia University

M.S. in Computer Science (machine learning track), GPA: Not Yet Available

New York, NY

Exp. Dec. 2021

Duke University

B.S. in Statistics, B.A. in Visual Arts, Minor in Theater Studies, GPA: 3.6/4.0

Durham, NC

May 2017

TECHNICAL SKILLS

Languages	Python, JavaScript/HTML/CSS, Java, Swift, SQL, R
Frameworks	React, NodeJS, Spring Boot, Hibernate, MySQL, MongoDB
Concepts	REST APIs, OOP, noSQL, CI/CD, Model-View-Controller, unit and integration tests
Other Tools	Git, Jenkins, Splunk, Docker, Selenium, Postman

SELECTED PROJECTS

Veil - Anonymous Community for Big Law Professionals

iOS Developer

Swift, UIKit, Foundation, CocoaPods, Firebase

July 2020 - Present

- Led a team of 3 in developing an iOS app using Cocoa Touch frameworks, design patterns and APIs; Veil enables professionals from Am Law 300 firms to share compensation details, views on current events and position openings anonymously.
- Applied socialization functionalities in Swift with UIKit and Foundation, incl. browse, comment, chat and discussions/polls.
- Improved user experience through use of Firebase and Realm to establish relational database and local data persistence.

Peacock - the Cocktail Planner

Full-Stack Web Developer

JavaScript, React, Bootstrap, Node, MongoDB, Python, Beautiful Soup, Pandas

Apr. 2020 - July 2020

- Designed and built a full-stack RESTful web app that generates customized party cocktail menus and shopping lists.
- Engineered dynamic front-end interface powered by React web components built with Bootstrap and Material UI.
- Implemented back-end with Node.js and Express, enabling cocktail recommendation, menu generation and etc.
- Established data persistence with MongoDB and third-party authentication with OAuth, decreasing sign-up time by ~50%.
- Employed Beautiful Soup, Pandas and Urllib with Python to optimize ~80% of 300+ proprietary recipes via web scraping.

Fern - Plant Delivery Management System

Java Back-End Developer

Java, Spring Boot, Hibernate, MySQL, JUnit, Jenkins, Docker, AWS

Feb. 2020 - July 2020

- Increased plant nurseries' efficiency in coordinating order logistics by ~60% through developing a Spring Boot web app in a team of 3; the app follows multi-tier architecture and uses Maven to automate build.
- Fulfilled data access layer with Hibernate (JPA), following the repository pattern, and served data from MySQL.
- Applied JSON Web Token (JWT) alongside hashing and salting with bcrypt for user authentication and authorization.
- Achieved >80% coverage by unit tests built with JUnit and Mockito; performed integration tests with Selenium and Log4j.
- Configured a CI/CD pipeline with Jenkins and deployed the app using AWS and Docker.

PROFESSIONAL EXPERIENCE

Next Capital (Sector-Focused Early Stage VC Firm)

Venture Capital Associate

Beijing, CN

Nov. 2018 - Dec. 2019

- Conducted data-driven research on 5+ sectors by analyzing web-scraped data, interviewing top management of companies of all sizes and synthesizing information extracted from written media (i.e. annual reports, whitepapers).
- Sourced and presented to the investment committee 500+ startups in sectors incl. Internet and Consumer Goods.
- Collaborated with 10+ fellow investors in conducting due diligence, managing portfolio companies and fundraising.

DHL Consulting (Management Consulting Firm Under DPDHL Group)

Associate Consultant

Miami, FL

Sept. 2017 - Sept. 2018

- Examined client data and presented results in front of top management of Global Fortune 500 companies.
- Headed teams of 3-5 to research for and author white papers/proposals on digitalization and technology (e.g. IoT, Cloud).
- Initiated and delivered an automated system for drafting project proposal decks, increasing efficiency by 30%.