

Aria (Zhimeng) Zhang^(She/Her)

ariazhang@gmail.com | +1 (613) 552 0407 | [GitHub](#) | [LinkedIn](#)

EDUCATION

Carleton University, Ottawa, Ontario, Canada

Expected Graduation: May 2025

BSc in Computer Science; CGPA: 12/12 (A+)

Core courses: Systems Programming, Web Application, Abstract Data Types and Algorithms, Discrete Structures

Renmin University of China, Beijing, China

Sep 2013 – Jul 2017

B.E. in Public Finance, minored in Finance

Core courses: Statistics, Mathematical Analysis, Ordinary Differential Equation, Dynamic Optimization

AVAILABILITY

Available for 4 months or 8 months beginning May 2023

SKILLS

Language: Java, Python, C/C++, JavaScript, HTTP/CSS, SQL, MATLAB

Framework/Tools: React, Node.js, Express.js, MongoDB, Git

PROJECTS

🔍 Search Engine | [Java](#), [Python](#)

- Designed and developed a **web crawler** that repeatedly extracts URLs and words from web pages and saved desired data into text files in Java and Python
- Designed and implemented a search engine in the Java and Python using **cosine similarity score** calculation between user search query and crawled pages content to determine the content score of each page
- Implemented **PageRank algorithm** (used by **Google Search**) to rank crawled web pages, enabling users to boost search results by only showing top-quality content
- Tested on a 1000 interlinked website, automatically generating **1000 directories** filled with data
- Improved **efficiency and extensibility** in Java by implementing Object-Orientation programming, using **interfaces**, and constructing different **data structures**
- Designed and developed a user-friendly **graphical user interface (GUI)** using **JavaFX**

🔑 Keeper - React Web App | React

- Built a personal note-taking web application(**GoogleKeeper-like**) using **React** that allows users to take notes online
- Utilized both class-based and functional React components; enhanced and developed **reusable components** to increase development productivity

📧 Large Feedback-Collection App (in progress) | Full Stack Development

- Built a full-stack web application for bulk emailing and feedback collection, utilizing technologies such as **React**, **Express**, and **Node.js**
- Implemented routing on both the frontend with **React Router** and backend with **Express**, and enhanced authentication process with **Google OAuth**
- Built reusable user input components using **Redux Form** and enabled payment processing through **Stripe**
- Utilized advanced **API key handling** techniques to separate production and development resources

WORK EXPERIENCE

Analyst, M&A / Structured Finance [JINKO](#) / Shanghai, China

Jan 2019 - Jun 2021

- Managed a credit portfolio of **over 20 financial institutions**, including HSBC, Credit Agricole Bank and Bank of China with credit lines ranging from **USD 15M to USD 100M**
- Evaluated **financial and business performance** of the company and competitors, created and maintained the company's **financial projection** of 5 years to demonstrate the company's profitability
- Conducted extensive research and analysis on **economic, industry and political developments**, to identify growth indicators and potential risk factors, developed strategies for business development
- Monitored and processed **international Letter of Credit** issuance, extensions, and expirations, working closely with internal and external stakeholders to manage an SLC exposure of over USD 100 million.

Analyst, Equity Investment [SEALAND SECURITIES](#) / Shanghai, China

Mar 2017 - Aug 2018

- Determined types and structures of financial products according to the macroeconomic and financial environment
- Consolidated available data and established a **dynamic financial analysis model** of target companies

HONORS AND AWARDS

[Discover Technata Hacks Hackathon 2022](#) (Hub 350, Kanata North): 1st Place Winner