MERRICK TIAN

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Education

University of Maryland, College Park   **Fall 2018 - Fall 2021**
B.S. Computer Science   GPA: 3.81 / 4.00 | Dean's List: Fall 2018 - Fall 2021
Operating Systems · Design and Analysis of Computer Algorithms · Database Design
Introduction to Compilers · Advanced Data Structures · Introduction to Artificial Intelligence
Programming Language Technologies and Paradigms · Object-Oriented Programming

Technical Skills

Java · C · Ruby · OCaml · SQL · Python · HTML · CSS · Sass · JavaScript · TypeScript · React · GSAP
Cypress · Git · Heroku

Professional Experience

Software Engineer Intern   **Jun 2021 - Aug 2021**
InfluxData | www.influxdata.com   Remote Work

- Utilized **React, TypeScript, and Sass** to resolve issues and implemented new features for the UI and the Giraffe visualization library.
- Integrated the SimpleTable component into the Giraffe library, created a new **Storybook** component for SimpleTable, and released the new feature as version 2.17.0 of Giraffe.
- Developed and updated around 20 end-to-end tests using **Cypress** as bugs were resolved.
- Contributed towards the implementation of the new design of the Tokens page.

Web Development Intern   **Jun 2020 - Sep 2020**
Cmind Inc | www.cmind-ai.com   Boston, MA

- Created a visually appealing and dynamic web product through close collaboration with the back end team by visualizing compiled financial and risk score data.
- Updated and maintained the web product using **BitBucket** as development advanced through the early stages of public distribution.
- Utilized **React** and **JavaScript** to construct several features currently available on the web product, including market tracking features, peer group analysis, and earning call graphs.

Undergrad Teaching Assistant   **Jan 2021 - Dec 2021**
CMSC433: Programming Language Technologies and Paradigms   College Park, MD

- Held office hours and answered questions pertaining to multithreading, distributed systems, and other concurrency concepts for at least 10 hours per week.
- Guided students through projects that utilized **Akka**, **Hadoop**, and **openMPI**.
- Collaborated with other Teaching Assistants to aid over 170 students and the professor during the Spring and Fall 2021 semester.

Personal Projects

Chess.com Telegraf™ Plugin

- Collaborated with other interns during the InfluxData 2021 Intern Hackathon to develop a plugin for **Telegraf™**, the monitoring agent developed by InfluxData, in **Go** to fetch data from the public API from Chess.com.
- www.influxdata.com/blog/collecting-data-from-chess-com-writing-your-own-telegraf-plugin

Cake Animations

- Created a fun reactive website using **HTML, CSS, JavaScript, React, and GSAP** to practice web development and experiment with GSAP.

Sierokarte Bot

- Constructed a Discord bot using **Python** to improve the quality of life for beginners in the video game Granblue Fantasy that was hosting temporarily using **Heroku.**

View all of my projects at merricktian.me or github.com/mtian725