**SERENA XIONG**

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EXPERIENCE

Research Assistant January 2020 - Present

University of Michigan College of Engineering – Ann Arbor, MI

* Researched machine learning prediction bias regarding recidivism rates in the US
* Processed and analyzed data with Python using prediction error rates and confusion matrices
* Selected as part of the Explore CS Research program through the University of Michigan
* Chosen to present at the Grace Hopper Celebration (vGHC 2020) student poster session

Software Engineer Intern June 2020 – August 2020

Enova International – Virtual

* Implemented and deployed multiple database migrations and an API that allows the company to collect and query user information through requests
* Wrote test plans and unit tests to increase code coverage, as well as used Postman
* Participated in an Agile Software Team
* Technologies: Golang, Apache Kafka, Ruby on Rails

EDUCATION

University of Michigan, Ann Arbor, MI

B.S.E in Computer Science Anticipated Graduation: May 2021

Relevant Coursework: Programming in C++, Algorithms & Data Structures, Web Systems, Introduction to AI, Technical Communication, Discrete Math, Linear Algebra

*Relevant Extra Curriculum*:

Coursera June 2017

Relevant Coursework: Foundations with JavaScript, HTML, and CSS from Java Programming and Software Engineering Fundamentals Specialization, offered by Duke University.

Study Abroad June 2018 – August 2018

Hong Kong University of Science and Technology

PROJECTS

Map Reduce, EECS485: Web Systems (U of M) Fall 2019

* Implemented a MapReduce server using Python
* Multi-process and multi-threaded server that executed user-submitted jobs while utilizing the primary/replica paradigm

Stock Market Simulation, EECS281: Data Structures and Algorithms (U of M) Spring 2019

* Implemented a C++ project that mimicked a stock market simulation, but with a different wrapper
* Utilized heaps and designed algorithms to produce different types of output

SKILLS

* Programming languages: C++, C, Golang, Python, SQL/PostgreSQL, Java, HTML/CSS
* Tools: Git, Visual Studio Code, Jira