Tricia Chen

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EDUCATION

Carnegie Mellon University Pittsburgh, PA

Bachelors of Science in Information Systems May 2020

Minor in Computer Science

Minor in Software Engineering

TECHNICAL SKILLS

Programming languages: Java, JavaScript, HTML/CSS, SML, C, SQL, NoSql
Standards/Frameworks: React/Node.JS (Proficient) Django, Ruby on Rails (Intermediate)
Development Tools: JUnit, Jest, Maven, Gradle

RELEVANT COURSEWORK

Parallel and Sequential Data Structures and Algorithms, Introduction to Computer Systems, Web Application Development, Principles of Software System Construction, Functional Programming, Application Design and Development, Database Design and Development

EXPERIENCE

American Express | New York, NY June– August 2019
Technology Analyst, Enterprise Architecture Team

- Designed and implemented the new Risk Data Management System replacing the old system's batch requests for real time updates

Nuclear Regulatory Commission | Rockville, MD May-August 2018
IT Specialist, Concerns Resolution Branch Dec. - January 2019

- Restructured and created new Office of Enforcement internal web pages
- Improved the Differing Views Program process by analyzing data from internal interviews and performed basic queries on the dataset.

PROJECTS

Maryland Chinese Baptist Church | Rockville, MD Jan. – August 2019
Student Volunteer

- Redesigned the church webpage in React.JS and Firebase to allow for sermon uploads, announcements, and an events page deployed on https://marylandchinesebc.herokuapp.com/

Phipps Conservatory | Pittsburgh, PA Jan. – May 2019
Student Volunteer

- Created a donor recognition tool that locates 6,000 donated bricks in the garden
- Deployed on (http://bricks.conservatory.org/) with continuous integration setup and automated test suites

Dynamic Storage Allocator in C November 2018

- Used immediate coalescing, explicit free list, and footerless allocated blocks

Checkers AI February 2019

- Implemented a Checkers AI in SML that uses the minimax algorithm