

ANTHONY CHIANG

SOFTWARE ENGINEER

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PROGRAMMING LANGUAGES

Java
SQL
Ruby
HTML/CSS
JavaScript
PHP
Racket

TECHNOLOGIES

SQLite
AWS
Github
Microsoft Azure
Apache Spark

INVOLVEMENTS

UW Badminton Club
Team Coordinator
Treasurer
Six-Dan Go Player
Seattle AGA
Representative

MORE

anthony-chiang.com

INTERESTS

Badminton
Go
Hiking & Biking

EDUCATION

University of Washington

MAJOR: Informatics - Information Assurance & Cybersecurity

GRADUATION: December 2020

- *Coursework:* Data Structures and Algorithms; Databases Design and Management; Programming Languages and Implementations; User Interface Design; Web Programming

EXPERIENCE

T-Mobile | Incoming Software Engineer Intern

START DATE: OCT. 2019

- Team and project TBA.

Flight Transaction Management | Research Assistant

OCT. 2018 - DEC. 2018

- Built a flight transaction interface that allows users to create account, deposit, book, cancel reservation, pay, etc.
- Enforced strict 2PL to ensure transactions are conflict serializable. Manipulated transactions to avoid deadlock.
- Used Java built-in PreparedStatement in an effort to prevent SQL injections.
- Pulled flight dataset from AWS. Performed data wrangling to load into database.

IMDB Movie Rating | Research Assistant

NOV 2018 - DEC 2018

- Developed a website for users to look up and filter movies through genres, year, IMDb ratings, directors, etc.
- Used ggplots2 to visualize the relationship between movie reviews on social media and its IMDb rating.
- Performed data wrangling using dplyr on dataset pulled from IMDb API.

Friends of the Children | Intern

NOV 2018 - DEC 2018

- Designed English & Chinese brochure for Friends of the Children to expand influence to the Chinese community.
- Focused on helping children of high-risk family on academic; taught basic computer usage.

PERSONAL PROJECT

Calculator Interpreter: Scanner & Parser

MAR. 2019 - APR. 2019

- Built a calculator that allows the user to evaluate formulas involving usual arithmetic operations.
- Implemented a scanner that reads and converts user input into appropriate tokens. Performed error checking for illegal inputs.
- Constructed a recursive-descent parser that reads the next token, and parses and evaluates the calculator statements in the input.