

Anthony Chiang

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EDUCATION

University of Washington, Seattle

Graduation: Fall 2020

Major – Informatics

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

TECHNICAL SKILLS

Languages: Java; Ruby; SQL; SQL++; R; Racket; HTML; CSS; Javascript

Technologies: MySQL; SQLite; Microsoft Azure; AWS; Apache Spark

EXPERIENCES

T-Mobile

Bellevue, WA

Incoming Software Engineer Intern

Start Date: Oct. 2019

- Team and project TBA.

Flight Booking Transaction Management

Seattle, WA

Database Systems Management – Java, SQL

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 insure 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 Ratings

Seattle, WA

UW Informatics Research – R, HTML, CSS

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

Seattle, WA

Intern

Sep. 2017 – Jan. 2018

- Created multi-languages 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 PROJECTS

Calculator Interpreter – Scanner & Parser

Seattle, WA

Personal Project – Ruby

Mar. 2019 – Apr. 2019

- Built a calculator that allows the user to evaluate formulas involving usual arithmetic operations, as well as to set and reference variables that can hold the results of these calculations.
- 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.