

ANTHONY CHIANG

FULL STACK SOFTWARE ENGINEER

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PROGRAMMING LANGUAGES

Java
SQL
Ruby on Rails
HTML/CSS
JavaScript
Racket
PHP
R

TECHNOLOGIES

Git
AWS
Azure
Jira
Apache Spark
Postman
SQL Server
SQLite

WEBSITE

anthony-chiang.com

COMPETITION

ACM ICPC
DubHacks

LEADERSHIP

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

EDUCATION

University of Washington, Seattle

MAJOR: Informatics - Software Development Custom Track
GRADUATION: December 2020

- **Coursework:** Data Structures and Algorithms; Databases Design and Management; Client-Side Web Development; Programming Languages and Implementations; Web Programming

EXPERIENCE

T-Mobile | Software Engineer Intern (TechX)

OCT. 2019 - PRESENT | *GraphQL, Nest JS, TypeScript, Angular*

- Building a unifying authorization portal for company applications.
- Using GraphQL to stitch user's metadata with their slack ID, and providing only *exactly* what the client asks for on API calls.
- Notifying application administrator via slack when a user requests access.

Flight Transaction Management | Research Assistant

OCT. 2018 - DEC. 2018 | *Java, SQL*

- Developed 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.
- Utilized Java built-in PreparedStatement in an effort to prevent SQL injections.
- Pulled flight dataset from AWS. Performed data wrangling to load into the database.

IMDB Movie Rating | Research Assistant

NOV 2018 - DEC 2018 | *R, HTML, CSS*

- Designed 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

- Focused on helping children of the high-risk family on academic. Conducted one-on-one mentorship and taught English, math, and basic computer usage.
- Designed brochures and expanded influence to the local Chinese community.

PERSONAL PROJECT

Calculator Interpreter: Scanner & Parser

MAR. 2019 - APR. 2019 | *Ruby*

- Engineered a "calculator" that evaluates arithmetic operations.
- Implemented a scanner that parses and converts user input into appropriate tokens.
- Designed various error checking for correct parsing and threw illegal inputs.
- Implemented a recursive-descent parser that constructs the parse tree using leftmost deviation (top down parsing), and finally evaluates tokens.