JARED CHEN

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https://github.com/jared-r-chen?tab=repositories

EDUCATION

Carleton College   **Northfield, MN**
Computer Science , BA, GPA: 3.5   *Sept 2019-Jun 2023*
- **Programming Coursework**: Programming Languages Design & Implementation, Software Design, Data Structures, Algorithms, and Computer Science Discrete Math

PROJECTS

Disease Simulator
developer   *Feb 2021 - Mar 2021.*
- successfully modeled how a disease might spread through a given population over a duration of time.
- Generates graphs of nodes that can be used to represent human social circles. A disease can be simulated over a series of "days", showing how a disease might spread through a population
- Utilize: Java

Scheme Interpreter Project
developer   *Apr 2021 - Jun 2021*
- Takes in Scheme code as an input and correctly tokenizes, parses, and interprets code to give its output
- Utilizes stacks to improve memory allocation and memory freeing in C
- Converts inputted Scheme code into cells then parses through the cell data structure in order to properly calculate the output of the input
- Utilize: Scheme, C

Spotify 2020-2021 Database Website
developer   *Oct 2021 - Nov 2021*
- Full stack development of a website that allows for the searching and sorting of Spotify's 2020-2021 top 200 song's database
- Uses HTML, CSS, and JavaScript for front end design and functionality, used Postgres for database management and querying
- Utilize: Python, Postgres, HTML, CSS, JavaScrpit

Domain Catalog Web Scraper
developer   *Dec 2021 - Curr*
- Automated domain cataloging task, reducing cataloging time from 3+ hours to less than 20 minutes.
- This web scraping project is for my Universities Domain management project, used to document existing domains
- Uses the Selenium library in Python to catalog university domains for server management and resource allocation
- Utilize: Python, Selenium library (Python)

EMPLOYMENT

Oregon Health and Science University   **Portland, OR**
Research Assistant   *Jun 2020 - Sept 2020*
- Performed meta-analysis coding for upcoming worker safety research by reviewing over 500 pieces of scientific literature for key information
- Increased internal lab data base efficiency by updating over 500 entries with missing or supplementary information
- Developed and wrote promotional literature on current and upcoming research projects for the lab website and blog
- Utilize: excel, Microsoft Office, LinkedIn

TinTea   **Northfield, MN**
Barista   *Sept 2021 - Jan 2022.*
- Provides service to hundreds of customers in a fast pace, team driven environment
- Communicates logistics with team members to support team success

Carleton College   **Northfield, MN**
Academic Technology Support Assistant   *Nov 2021 - Dec 2021.*
- Assisted faculty to research and test the potential of hosting R Studio on Reclaim Cloud (cloud service)
- Hosted a workshop for faculty to test out potential technology solutions for the future
- Developed web scraping code to automate the updating of the web domain management catalog

SKILLS

Software Languages: (proficient): Python, Java (familiar): HTML, CSS, JavaScript, C, R, SQL
Applications: Atom, IntelliJ, GitHub, Eclipse
Activities: ASIA organization board member, Club Tennis member