

Jing Qun Cui

jingcui99@gmail.com • github.com/JingQunCui • linkedin.com/in/jingqun-cui-775819246/

EDUCATION

Rensselaer Polytechnic Institute

Troy, NY

B.S. in Computer Science

Sep 2020-June 2024

Cumulative GPA: 3.6/4.0

Completed: Operating Systems • Intro to Algorithms • Computer Organization • Data Structures • Discrete Math

EXPERIENCE

World Ice Arena Rink

Queens, NY

Office Assistant

June 2021-Aug 2021

- Provided recommendations to customers regarding products or services, and explained the advantages of merchandise to customers; ensured customer needs through phone call, e-mail and in-person
- Helped maintain equipments; assisted novice skaters and supervise crowds in use of the skating rink

PROJECTS

Rensselaer Open Source: Exalendar

- Developed an online customizable weekly calendar for organizing personal schedules
- Deployed HTML/CSS/Javascript programs to allow users to edit, drag and color code personalized events across user's calendar; mysql server is used to store user login and calendar information
- Utilized google API to verify google ID tokens during account registrations

Rensselaer Open Source: Leg Up

- Developed an interface for users to create and solve puzzles to better understand logistics and game theory
- Improvised overall aesthetics of the UI and implemented new logistics to old algorithm to eliminate unnecessary workflows; fixed over 30+ bugs and unit tested with JUnit, developed in Java
- Documented development standards, such as using git-flow branching model and coordinated with professor and other members about short and long term goals aligning with professor's vision

Instagram Automated Post Bot

- Developed an automation bot that posts timely AI generated images and quotes on behalf of user
- Utilized Instagrapl and OpenAI API to automate instagram postage; created with Python

Simulated OS

- Developed a simulation of an operating system that completed thread functions, system calls, multi-programming support and calculated CPU wait times; implemented with c++
- Incremental algorithms includes first come first serve, shortest job first, round robin & shortest remaining time

Git Clone (Java)

- Developed and designed a version control system tracking records of commit history and file versions
- Implemented functionality of commit, push and pull; utilized JSON backend pseudo server to store data

Weather Forecasting App

- Request-based application that displays temperature, wind and humidity levels for global locations
- Implemented a backend scraper to fetch weather data from OpenWeather API

PROGRAMMING SKILLS

Skills: Java, C++/C, Python, HTML/CSS, Javascript, SQL, Mysql, Git, Linux, Assembly, MIPS, Latex

Interests: Machine learning, Network security, Data science, Statistics, Algorithms and Software design