David Wang

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Relevant Links: LinkedIn | GitHub
Programming Languages: Python, JavaScript, C++, Golang, C, Java, Bash Script, Makefile, MIPS (Assembly)
Web Technologies: ReactJS, VueJS, HTMX, HTML, CSS, JQuery, AJAX, Bootstrap, SQL, php, phpMyAdmin, WordPress
Technologies/Libraries: Git, BeautifulSoup, Requests Library, REST, Docker, VS Code, Visual Studio, Verilog, Regex
Certifications: Oracle Cloud Infrastructure 2023 Certified Foundations Associate

EDUCATION

Rensselaer Polytechnic Institute (RPI)   Aug. 2022 – May 2026
B.S. Computer Science and B.S. Information Technology Web Science
- Awards/Honors: Rensselaer Leadership Scholarship, Dean's Honor List (Fall 2022, Spring 2023, Fall 2023)
- GPA: 3.65/4.0
- Courses: Introduction to Algorithms (Current), Principle of Software (Current), Foundation of Computer Science, Computer Organization, Web Systems Development, Data Structures

WORK EXPERIENCE

Rensselaer Polytechnic Institute   Jan. 2024 - Present
Undergraduate Research Assistant
- Working with Dr. Szymanski as an undergraduate researcher
- Explore networks that produce undirected weighted networks with overlapping nodes to find the Normalized Mutual Information (NMI) score using Python

Rensselaer Polytechnic Institute   Jan. 2024 - Present
Undergraduate Teaching Assistant
- Grade homework, quizzes, and tests for Foundations of Computer Science (CSCI 2200)
- Work with course staff to ensure students grasp course material and assignments

State Insulation Inc.   May. 2023 – Aug. 2023
IT Intern   San Diego, CA
- Managed and updated Asset and Inventory database which improved organization through increasing the database by over 50% across multiple locations
- Tier 1 Tickets with Remote Desktop Protocol, Hardware/Software troubleshooting, Software Installation, and Hardware maintenance/upgrades allowing for increased 23% productivity in coworkers through tickets
- Tasked with solo projects such as web page redesign, workflow reconstruction, and digitalization of resources which improved functionality and ease of access with workflow

PROJECTS

Data Connosieur | Github Code | (C++ (Microsoft Foundation Class), Git)   2023
- Team lead of 8 on an open source project under Dr. Kruger at RPI which entails the development of a software package to support in-class instructions of data science methods and machine learning methods
- Developed the Linear Classification method by employing computations on training datasets to enable model training for accurate data classification.

Amazon Product Price Monitor App | Github Code | (Python, BeautifulSoup, Requests Library, smtplib Module)   2023
- Web scraping Python script that emails the user if a selected product(s) on Amazon has decreased in price
- Performed GET requests using Requests library, parsed requests with BeautifulSoup, Emailing used smtplib Module, uses delay from time module to allow for routine checks

Resume Rensselaer | Github Code | (HTML, CSS, JavaScript, PHP, SQL, phpMyAdmin, git)   2023
- ITWS 2110 final project, Collaborated in a team of 5 to create a webpage for RPI students to be able to create a resume with ease just based on a form submission.
- Enhanced the frontend components, including the About page and additional information sections. Took an active role in refining CSS and HTML across various pages. Played a key role in backend development, leveraging PHP and SQL to implement crucial aspects of the login system.

Degree Doctor | Github Code | Demo | (Vue, Quasar, CSS, git)   2023
- Conceptualized/executed frontend features with a team of 5 on a webapp for RPI students to manage their degrees.
- Implemented a feature that allowed students to view their credits in their degree plans as well as improved UX through updating UI functionality.

Pass with EASE | Github Code | (HTML, CSS, JavaScript, PHP, SQL, phpMyAdmin, git)   2023
- ITWS 1100 final project, Collaborated in a team of 3 to create a webpage for RPI students to access previous exams and study materials for RPI courses.
- Elevated the frontend components through CSS and Javascript animations for the homepage, log-in, and sign-up pages.
- image database for facial recognition.