Jiafeng Du

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EXPERIENCE

Epic Systems Corporation Madison, WI   Aug 2021 - Sep 2022
Technical Solutions Engineer
- Led customer analyst teams to resolve software errors, manage system upgrades, and implement new functionalities to transform lung care management workflow, resulting in 30% efficiency increase.
- Identified and reported bugs and enhancements by reviewing **MUMPS/M** and frontend code using internal software in our **Agile** development cycle improving customer satisfaction.
- Generated tailored business reports by collaborating with the data team and customer teams using **SQL**, improved reporting 50% efficiency.

UCI Housing - Middle Earth Irvine, CA   Aug 2020 - Jan 2021
Resident Advisor
- Led social and cultural programs and persevered through social distancing period for 32 freshmen to provide them with resources and foster relationships during the difficult time.

PROJECTS

Web Dev Project: VPET github.com/JiafengDu/virtual-pet-project   Jun 2024
- Users can log in, acquire pets, interact with pets, and socialize in the community.
- Utilized **React** and **ExpressJS** to create a **decoupled**, **state-driven** Single Page Application.

Open Edx Greetings Extension github.com/JiafengDu/greetings   Jun 2023
- Provided a **REST API** endpoint for the **Open Edx** instance to save user greetings and provide responses.
- Utilized **Docker**, Open Edx, Tutor (distribution), **Django**, and **AWS** (EC2/Cloud9), **PostgreSQL**.

Stern Gerlach Experiment Simulation github.com/carletonz/BeachHacks2019   Apr 2019
- a quantum physics experiment simulator that shows particles trace in a non-uniform magnetic field.
- Utilized **NumPy** and **SciPy** library in **Python**.

TECHNICAL SKILLS

- **Languages:** C/C++, Java, Python, JavaScript, React, SQL, SML, Ruby, Racket, MUMPS/M
- **Technologies:** Docker, AWS, Django, Express, REST API, PostgreSQL, Linux CLI, Agile, Git

EDUCATION

Northeastern University, San Jose, CA
Candidate for a Master of Science in Computer Science, GPA: 3.83/4.0
Related Coursework: DSA (**C/C++**), OOD (**Java**), Computer Graphics (**C/C++**)

University of California - Irvine, Irvine, CA
Bachelor of Science in Physics - specialized in computational physics,
& Bachelor of Science in Mathematics, GPA: 3.51/4.0
Related Coursework: Quantum Physics, Electromagnetic Theory**,** Numerical Analysis, Elementary Analysis