Beatrice Aragones

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EXPERIENCE

Pre-Apprentice Sep. 2024 - Present

Dev/Mission | San Francisco, CA

- Participated in a pre-apprenticeship program, gaining hands-on experience in the Internet of Things (IoT), IT essentials, and front-end web development through numerous tech and coding projects
- Engaged in various workshops on industry best practices, workplace etiquette, and professional communication, preparing for successful entry into the tech industry

Assistant IT Support Engineer Mar. 2024 - Present

Lane Fertility Institute | San Francisco, CA/Novato, CA

- Encoded various medical forms into the clinic's electronic medical record (EMR) system, enhancing the workflow of physicians and nurses as they work with patients undergoing egg donation
- Responsible for creating and maintaining websites for the entire organization using WordPress and SiteGround, gaining a combined total of 5,000 unique visitors and 36,000 pageviews

Research Affiliate Jun. 2023 - Dec. 2023

Lawrence Berkeley National Laboratory | Berkeley, CA

- Collaborated with the Scalable Solvers group within the Applied Mathematics Computational Research Division in optimizing their current matrix sketching algorithm for hierarchically semi-separable matrices
- Presented my findings on random-sampling matrix sketching to fellow interns and scientists working at the laboratory during the anticipated Summer poster session

Mathematical Research Assistant Aug. 2022 - Dec. 2022

San Francisco State University | San Francisco, CA

- Performed mathematical analysis to expand upon a conjecture on (p,q) scales and its various properties
- Teamed with a group of fellow researchers to write and publish a research paper that showcased our findings

Undergraduate Student Researcher Jan. 2022 - Dec. 2022

San Francisco State University | San Francisco, CA

- Coordinated with a professor in researching a conjecture regarding edge connectivity and spanning trees on graphs
- Wrote a research paper regarding the findings of the conjecture with supporting examples and algorithms using LaTeX

PROJECTS

Fast Walsh Hadamard Transform

- Programmed a C++ application that illustrates a matrix sketching algorithm and determines whether bit-reversal improves performance

(p,q) Scales

- Coded a Java application that streamlines the process of creating (p,q) scales and calculating their number of ratios

Edge Connectivity

- Developed a Java application that utilizes various graph theory algorithms to test the properties of inputted graphs

EDUCATION

City College of San Francisco | A.S. in Computer Networking and Information Technology In Progress

San Francisco State University | B.S. in Applied Mathematics, Minor in Computer Science Dec. 2022

- GPA: 3.92

CERTIFICATIONS

City College of San Francisco | Computer Programming: Java In Progress

SKILLS

Java | HTML/CSS | Git/VCS | Google Suite | Problem Solving | Detail Oriented | Time Management | Communication