Sairina Merino Tsui

Oakland, California

✉ sairina.merinotsui@gmail.com ⃝ github.com/sairina in linkedin.com/in/sairina ☎ 510.316.2895

SKILLS

Programming Languages	JavaScript, Python, SQL, HTML, CSS
Libraries and Frameworks	React, Redux, Express, Flask, PostgreSQL, mySQL, Jest

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EXPERIENCE

Software Engineer   2020-current
Bet Tzedek LLC (Remote - Los Angeles, CA)
- Modularlized routing with Blueprints in Flask to organize application into distinct components.
- Built routes for and wired React component that displays employer information to intake route on backend, including a search route for web scraping capabilities.
- Created user model and routes to MySQL database using an ORM for user signup and login.
- Created React modal component on frontend to validate and display data from web scraping.
- Increased test coverage by 15% by writing tests with Jest, React Testing Library, and Unittest.

Assistant Principal   2017-2019
KIPP King Collegiate High School (San Lorenzo, CA)
- Coached, managed, and evaluated math teachers from Algebra I to AP Calculus.
- Increased pass rate to 92% for all freshmen in first semester courses and achieved highest benchmark ACT exams in the nation by creating tracking systems for teachers and students.
- Achieved daily increase of over 22% in school-wide attendance by leading a pilot study on school-wide tardy policy.

Dean of Science | Science Teacher   2015-2017
The Weber School (Atlanta, GA)
- Developed school-wide 3-year plan for math and science growth.
- Established first annual STEM Night by using Design Thinking with 15 science, math, and technology teachers, resulting in attendance of over 150 students and families.

Director, Science Content Specialist   2014-2015
Teach for America (Bay Area, CA)
- Accomplished 90% academic improvement in 42 science teacher classrooms by designing and implementing a rigorous two-year teacher preparation arc.

Academic Dean   2013-2014
Leadership Public Schools Oakland R&D (Oakland, CA)
- Launched teacher development program for staff of 19 by leading weekly professional development resulting in a 92% improvement in support systems compared to previous year as measured by teacher surveys and feedback.
- Developed California State Exam intervention program resulting in pass rates of 87% in math and 80% in ELA with students that started at 19% and 22% proficient.

Technology Curriculum Lead | Science Department Lead | Founding Science Teacher 2008-2013

Leadership Public Schools College Park (Oakland, CA)
NYCiSchool (New York, NY)
High School for Medical Professions (Brooklyn, NY)

PERSONAL PROJECTS

Microblog   Built with React, Redux, and PostgreSQL
Jobly   Built with React, Express, and PostgreSQL
Warbler   Built with Python and Flask

EDUCATION

Rithm School (San Francisco, CA)   **April 2020**
Full-Stack Web Development - *Edie Windsor Scholar*

City University of New York, Lehman College (New York, NY)   **May 2011**
MS in Secondary Science Education

New York University (New York, NY)   **May 2008**
BA in Anthropology, Pre-medicine