

# MARY THERESE PAMPLONA

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## EDUCATION

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### University of California, Berkeley

*Data Science, 2023*

**Relevant Courses:** Data Structures, The Foundations of Data Science, Principles and Techniques of Data Science, Structure and Interpretation of Computer Programs, Data Engineering

**Breakout Mentor:** *Breakoutmentors.com*

Nov 2020 - June 2021

Tutored 8 to 14-year-old students in Python and Scratch through one-on-one 90-minute sessions

## PROJECTS

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### Gitlet - April 2021

- Implemented a version-control system using Java which executes numerous functionalities including saving contents of directories, restoring files, viewing history of backups, and merging changes

### COVID-19 Dataset Exploration - December 2021

- Deployed data manipulation and performed regression and OLS to discover the possible explanations for the negative correlation between personal income and new COVID-19 cases per capita in 2020

### Analysis of the National Indonesia Prevalence Survey - August 2020

- Conducted an exploratory data analysis using SQL and Hypothesis Testing to reveal whether a married women's age in Indonesia is indicative of her contraceptive usage

## TECHNICAL SKILLS

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**Proficient:** Python, Java, SQL, Scratch, Snap

**Familiar:** Scheme, JavaScript, HTML, Excel

## WORK EXPERIENCE

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### Student Assistant

Oct 2021 - May 2022

- Organized mailroom while multitasking in busy office environment to ensure student satisfaction by continually reevaluating priorities to ensure efficient service
- Performed data entry to process hundreds of packages each day and answered phone calls, emails, and inquiries concerning UC Berkeley
- Improved flow and increased speed of service by delegating tasks between colleagues

## LEADERSHIP

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### PASAE External President and Webmaster

June 2021 - Present

*Pilipinx Association of Scientists, Architects, and Engineers:* <https://pasae.berkeley.edu/>

- Head student facilitator and liaison for FASTERCON 2021, an annual national web conference for Filipinos in Silicon Valley tech, with over 300 attendants
- Led 2-hour weekly meetings to delegate tasks and responsibilities to 3 different committees
- Served as an academic resource and mentor for students in the fields of Computer and Data Science
- Posted weekly updates to website using JavaScript and HTML and organized projects in a collaborative Git repository

## ORGANIZATIONS

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### SWENext - UC Berkeley

Aug 2019 - May 2020

*Society of Women in Engineering*

- Mentored female high schoolers and encouraged and assisted them in exploring STEM; Organized and planned SWENext Day, an event for female high schoolers interested in pursuing STEM in their higher education