

# Emmuelle Marie Ejanda

eejanda@berkeley.edu | (619) 787-0026 | linkedin.com/in/emmuelle

## EDUCATION

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### UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, CA

*Intended Bachelor of Science in Materials Science & Engineering, May 2023*

## EXPERIENCE

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### MARVELL NANOFABRICATION LABORATORY

Berkeley, CA

*Thermal Processing Assistant*

*March 2021 – Present*

- Conduct 15+ monthly Tystar furnace CVD & LPCVD quality monitors
- Utilize Gaetner Stokes & Angstrom Sun Ellipsometers to measure deposited oxide, nitride, and polysilicon films
- Record and update company process specification sheets for lab member and staff usage
- Develop and perform machine tests to ensure less than 10% measured difference

### PILIPINX ASSOC. OF SCIENTISTS, ARCHITECTS, & ENGINEERS

Berkeley, CA

*Wellness Coordinator*

*May 2021 – Present*

- Facilitated workshops and events promoting overall wellness for members
- Collaborate with other organizations and teams to foster welcoming community
- Ensure cabinet and general members are up to date with current affairs of PASAE and all other campus Pilipinx organizations
- Encourage timely and clear communication between all group members

*General Intern*

*August 2019 – May 2021*

- Organized and assisted in fundraisers and raised over \$500 towards organization funds
- Aided in management of cabinet responsibilities
- Maintained communication between all cabinet and general members
- Assisted Social Chair in fostering a welcoming and inclusive environment for new and current members
- Created and facilitated new events and workshops structured to build community and morale

## PROJECTS

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### *Steel Microstructure Analysis*

*October 2019*

- Performed thermochemical analysis on heat treated steel to study altered mechanical properties
- Practiced and observed basic metallurgy and metallographic etching skills
- Examined microstructures formed due to treatment

## SKILLS

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- Familiar with MATLAB, Python, Autodesk Inventor, Autodesk Revit