# NHI X LUU

Silver Spring, MD 20906

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## EDUCATION

**UMBC at the Universities at Shady Grove**    **Rockville, MD**
*B.S., Biotech (TLST) - Bioinformatics; GPA: 4.0*    *Expected: Fall 2023*

**University at Maryland - College Park**    **College Park, MD**
*Credits: 32*    *Jan 2018 - May 2019*

**Montgomery College**    **Rockville, MD**
*A.S., Life Sciences; GPA: 3.83*    *Dec 2017*

## TECHNICAL SKILLS & KNOWLEDGE AREAS

- **Laboratory**: Immunofluorescence, RT-PCR, Column chromatography, Cells culturing/fixation, Spheroids culture, Western Blot, other staining techniques ( HE, ORO, gram stain)
- **Programming Language**: **Python** [intermediate] ,**R** [beginner] for descriptive statistics; Unix Shell
- **Software**: ImageJ, MS Office, BLAST (beginner), Zeiss Zen, ImagePro
- **Language**: Vietnamese (native spaker)

## RESEARCH EXPERIENCE

**Montgomery College – Biology Department**    **Rockville, MD**
**Research Assistant** – Wound Healing Model Research    *07/2021- Present*

- Establish optimal conditions for spheroid co-cultures in 3D to observe their interactions and patterns
- Perform tissue culture, scratch wound assay, immunofluorescence, HE staining on different cell lines for image and statistical analysis
- Developed and optimized lab protocols for future research projects on spheroids and viability with drugs

**Student Assistant** – Novel Solutions to Wound Healing Project    *01/2017- 12/2017*

- Independently presented a 20-page Literature Review Presentation on the *Development of a Full-Thickness Human Skin Equivalent Derived from TERT-Immortalized Keratinocytes and Fibroblasts*
- Pioneered ideas to a published literature review on Springer: *Skin wound Healing: Refractory Wounds and Novel Solutions* (first online 24 May 2018)

## ADDITIONAL EXPERIENCE

**Universities at Shady Grove**    **Rockville, MD**
Student Contributor - Extra Curricular    *04/2022- Present*

- Conduct descriptive statistics on Cardiology dataset using R/Python
- Update and monitor version controls of scripts on GitHub project repositories

**University of Maryland**    **College Park, MD**
Graphic Design Chair – Societies of Asian Scientists and Engineers    *07/2018- 02/2019*

- Collaborated and hosted SASE Northeast Regional Conference, providing opportunities to 500+ attendees to interact and recruited by sponsoring companies (CIA, U.S. Army, Navy, PG, Google)

**Montgomery College**    **Rockville, MD**
Chemistry/Biology Peer Tutor – Ackerman Learning Center    *09/2016- 12/2017*

- Tutored, assisted students/peers on General/Organic Chemistry, and Biology materials

## MEMBERSHIPS

- Biotech Club - UMBC Shady Grove    *02/2022 - Present*
- Societies of Asian Scientists and Engineers (UMD Chapter)    *07/2018- 02/2019*