

TIRTHA M. KHAREL

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EDUCATION

- AUG 2018 - MAY 2022 **UNIVERSITY OF PENNSYLVANIA – PHILADELPHIA, PA**
- B.S.E in Computer and Information Science (CIS), GPA: N/A
 - Relevant Coursework: CIS120 (Programming Languages and Techniques I), CIS160 (Discrete Math), MATH114 (Multivariable Calculus)

EXPERIENCES

- SEP 2018 - PRESENT **WHARTON EXTERNAL AFFAIRS – PHILADELPHIA, PA**
Office Assistant
- Assist in the day-to-day efficiency of the Wharton office, including, but not limited to, managing paperwork and reviewing and cross-checking important financial documents.
- AUG 2017 - JUN 2018 **RESEARCH – BELLAIRE, TX**
Programming Lead
- Worked with a small team on astrophysical research underneath a Princeton University post-doctoral fellow. We were able to present our findings to the Houston Astronomical Society (HAS).
 - Used **Python** (AstroPy, NumPy, Mathplotlib, etc.) in order to represent and analyze data gleaned using **SQL** from the NASA SDSS database.
- NOV 2016 - MAY 2018 **PRIVATE TUTOR – HOUSTON, TX**
- Tutored multiple children ranging from elementary schoolers to high schoolers on mathematics, reading, science, and computer science.

PROJECTS

- SEP 2018 - PRESENT **GLOME**
- Working with a team to create an iOS application that assists the Philadelphia refugee agency in communication with the refugees using **Swift**, **Trello**, and **Firebase**.

ACTIVITIES/LEADERSHIP

- SEP 2018 - PRESENT **PENN ESAC**
- Engineering Students' Activities Council. The umbrella organization that connects all the various Engineering clubs on campus with the students and faculty.
- SEP 2018 - PRESENT **PENN RAAS**
- Member of Raas, a dance team that competes in nationwide tournaments.

SKILLS/HONORS/AWARDS

Programming Languages:

Java
Python
OCaml
C++
SQL
Swift

Honors:

National Merit Finalist
NASA High School Aerospace Scholar
National AP Scholar with Distinction

Other Skills:

Git
Microsoft Office Suite
Fluent in Nepali and English