PHUNTSHO NORBU

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EDUCATION

University of Saskatchewan   Jan. 2022 to Current
M.Sc Computer Science 2024
Area of focus: computer vision and deep learning. GPA : 3.82

Wheaton College, Massachusetts   Aug. 2015 to May 2019
Computer Science and Mathematics-economics

SKILLS

Python, HTML5, Javascript, ReactJS, MySQL, Git

EXPERIENCE

University of Saskatchewan, Canada
Teaching Assistant   Jan. 2022 to Current
- Teach and review Python programming topics ranging from recursion, arrays, and dictionaries for 6 hours a week with 20 students.
- Assist and guide students with their programming assignments and labs every week.

Thimphu Techpark Limited, Bhutan
Software Developer, ERP Division   Nov. 2020 to Nov. 2021
- Worked on ERPNext, an open source web based enterprise resource planning (ERP) system based on Python, Javascript and Frappe framework.
- Developed and implemented provident fund module that allowed access to all of the 1000 employees of the company compared to legacy system that was accessible to only 2 people.
- Reduced the provident fund interest calculation, disbursement and data collection from 2 weeks to 1 hour.
- Provided development, support and maintenance of the ERP system through designing, building, and customizing features and solutions.

Watson Foundation, Tanzania/Mongolia/Nepal
Thomas J Watson Fellow   July 2019 to July 2020
- Collaborated with different organizations across Tanzania, Mongolia, and Nepal to explore how technology is introduced and integrated into rural communities through drones.
- Mapped outdoor toilets and Ger(tent) in the oldest settlement in Ulaanbaatar, Mongolia using drone and satellite images to study soil pollution.
- Conducted different programs ranging from teaching basic R/Python programming to drone and STEM education for primary school students.

Makerspace, Wheaton College
Lab Assistant   Jan. 2017 to May 2019
- Taught students and faculty members through weekly office hours on using 3D printers, and laser cutters, resulting in an increase of 8 users monthly.
- Initiated collaboration between Makerspace and the resident office department by teaching 3D printers and laser cutters operation to Resident Advisors to aid their work, resulting in an additional diverse group of Makerspace users.

Lexomics, Wheaton College
Lead Front-End Web Developer   May 2018 to July 2018
- Led 3 front-end developers in updating and improving the user interface through assigning weekly tasks and code reviews.
- Refactored legacy code, resulting in fewer lines of code.
- Spokesperson of the Lexomics software team to the English research team using Lexomics to gather real-time feedback on the user interface.

AWARDS

Thomas J. Watson Fellowship, Watson Foundation   July 2019
One of only 40 graduates nationwide(US) to be awarded this highly selective grant for independent research outside of the United States and home country. Explored how local robotics capacity is built by looking at how organizations form relationships with local communities to assess and integrate the growing drone technology.

PROJECTS

Kongtsey (kongtsey.com)
Web-based free test preparation platform built on ReactJS and Firestore for the Royal Civil Service Examination of Bhutan with 500 users and increasing to address the inequality in educational resources.

Laktaa
Android mobile application built on React Native/ Redux and Firestore for logistics brokerage service to address the lack/expensive logistics services for Bhutanese farmers.