Electrical & Computer Engineering Department
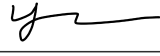## University of Illinois at Urbana-Champaign

UNDERGRADUATE INDEPENDENT STUDY FUNDING REQUEST

Up to $500 may be requested to defray expenses for materials and supplies, equipment, computer software, etc., but the funds may not be used for salaries and wages. Funds may be requested to support students enrolled in Electrical or Computer Engineering. Funding has been generously provided by the ECE Alumni Fund.

Please return completed form to Pascal Youakim at youakim2@illinois.edu

Date: **11/14/2022**	
Student Name: UIN: **Stephen Zhu, 665241712**	Student Signature:
Instructor: **Professor Yang Zhang**	Instructor Approval:
ECE Course: ☐ 297 ☐ 396 ☐ 397 ■ 496 ☐ 499	Assoc. Head for Admin. and Instructional Affairs Approval:

Brief Description of Project:	The goal of this project is to create a nearly or fully-tetherless, cable-driven soft robot that can move around on a 2D surface. The main inspiration behind the motion of the robot comes from the flippers of a turtle.
Items Needed (please itemize):	5x Servo ($5.95 each) 5x 3V-5V Boost Converter ($3.95 each) 5x IR Receiver ($1.23 each) 10x JST Connector ($0.17 each) 5x ItsyBitsy 3V Dev Board ($11.44 each) 5x Metro Mini 5V Dev Board ($14.50 each) 5x LiPo Battery ($3.49 each) 2x Dragon Skin 30 Silicon Rubber ($40.23 each)
Total Amount Requested:	$284.96

Business Office Use:

P Card Order # _____ Amount: _____ Date Submitted: _____
Requisition # _____ Amount: _____ Date Submitted: _____
Reimbursement Amount: _____ Date Processed: _____

☐ Complete w/ Signatures ☐ Copy to Business Office ☐ Copy to Student ☐ Copy to Instructor