Destynn Keuchel <u>dkeuchel@seas.upenn.edu</u> | www.linkedin.com/in/destynn-keuchel

Jniversity of Pennsylvania, School of Engineering and Applied Science, Philadelphia, Pennsylvania 3.S.E, Materials Science and Engineering & Computer Engineering (dual major)	Expected Dec '26
 Teaching Assistant: Intro to Functional Materials (Spring '25), Intro to Computer Systems MCIT Graduate classical and the second second	ass (Fall '24)
 Penn Engineering Entrepreneurship Fellow: One of 12 Engineering undergrad and master's students select study program to develop entrepreneurship skills in analyzing, creating, growing, and leading highly technic 	ed for '25 1-year work-
Hawken High School Cum Laude, Gates Mills, Ohio	Jun '22
PROFESSIONAL EXPERIENCE	
Arkema Inc., King of Prussia, Pennsylvania High Performance Polymers Intern	Jun '24 – Aug '24
 Improved structural properties of PVDF membranes for deployment in battery cell separators and water ult Published 20-page executive report outlining novel hollow-fiber PVDF membrane recycling precedent and p 	
DumoLab, UPenn Design/Architecture, Philadelphia, Pennsylvania Researcher & Project Lead	May '23 – Apr '24
 Devised cross-linking organic bio-polymer composite using epoxidized vegetable oils as a renewable concre Led design and fabrication of human-scale chitosan bio-composite arch, leveraging polyhedral graphic static Publications/Conferences: 	cs structural optimization
 L. Lasting, M. Akbari, D. Keuchel, et al. "Terrene 2.0: Biomaterial Systems for Augmented Earthen Const Design, 2024 D. Keuchel, et al. "Terrene 2.0: Biodegradable Forther Correspondences to Shells" Response in Citize (Conformation) 	
 D. Keuchel, et al. "Terrene 3.0: Biodegradable Earthen Composite Shells" Responsive Cities (Conference 	
 Spunfab Ltd., Cuyahoga Falls, Ohio Student Researcher & Engineering Technician Developed & manufactured novel antimicrobial ASTM, NIOSH, and FFP2-grade facemasks using copper + sil Assisted auditor with quality processes and procedures in an AS 9100/ISO 9001 quality audit 	Jul '20 –Aug '22 Iver ions
 Problem-solved composite bonding trials for >10 customers on-site and conducted TMA, DSC, and tensile p Exhibited at JEC World, Techtextil North America, and Foam Expo North America trade shows 	olymer characterization
NASA, Hampton, Virginia Student Researcher	Aug '18 – Jan '22
 Improved structural and thermal stability of solar sail seams with high-strength polyester and low-melt co-p Developed novel thermoset powder electrostatic deposition system, garnering over \$110,000 in scholarship 	
ACADEMIC AND EXTRACURRICULAR EXPERIENCE	
JPenn Chess Club, Philadelphia, Pennsylvania President (May '23 – Jan '25)	Sep '22 – Presen
 Managed 8-person executive board to run meetings and tournaments for >150 students, alumni, and the ge Placed top 10 individually in 2024 Collegiate Pan-Ams Blitz Championship and second place in 2023 & 2024 	
Student Committee on Undergraduate Education, Philadelphia, Pennsylvania Membership Coordinator ('23)	Sep '22 – Present
 Elected member of the executive board responsible for professional and social events, recruiting members, Collaborated with Preparatory Programs and Education Committees to host school-wide study halls, focus § 	• •
Chess Clubs, Summer Camps, and Private Lessons, Cleveland, Ohio Chess Instructor	Oct '14 – Present
Instructed over 250 K-8 students with 9 top individual and team performances at state-level tournaments	
Keep COVID-19 in Check, Virtual Co-Founder	Apr '20 – Jul '23
 Recruited and led 19 titled chess players and teachers from 11 countries to raise over \$47,000 to fund over remote teaching chess, garnering Ohio Senate Commendation for Community Service 	284,000 meals through
Projects — Authored local LLM learning module utilized in Wharton AI in Business and Society class	Aug '24
 Developed local LLM software for secure patient history diagnostic aid utilized by UPenn Vet Hospital 	Aug '24 Aug '24
AWARDS AND ACHIEVEMENTS	
 National Chess Master (top <1% of US rated players) - 2x National and 12x State Scholastic Champion - US C Chessplayer Award (1 of 5 recipients annually) International Science and Engineering Fair '22 (ISEF) Finalist - top Materials Science Project selected by the American Junior Academy of Science Fellow - selected to present research to over 80 students, faculty, and 	US Air Force

- American Junior Academy of Science Fellow selected to present research to over 80 students, faculty, and Nobel Laureates
- UPenn PURM Research Award presented at UPenn Fall '23 Undergrad Research Symposium
- 2x State Debate Champion 7th in the US coached top 15 debater in the US

CODING, SOFTWARE, AND MATERIALS ANALYSIS PROFICIENCY