

RYAN PENG

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EDUCATION

Brown University, *Sc.B. Design Engineering*, 4.00/4.00 GPA Providence, RI | **Expected Graduation May 2025**

Rhode Island School of Design (*cross-registration*), *Industrial Design/Theory and History of Art and Design*

EXPERIENCE

ENGN0032, Introduction to Engineering: Design, *Teaching Assistant* Providence, RI | Aug 2022 – Present

- Teach weekly studio
- Hold 4+ homework office hours and mentor 2 group projects

Chi Lab, St. Jude Children's Research Hospital, *Student Researcher* Memphis, TN | May 2022 – Aug 2022

- Genotyped up to 750 murine samples by polymerase chain reaction (PCR) and agarose gel weekly
- Performed sgRNA cloning and immunostaining on demand

Tri-State Neurology, *Administrative Intern* Memphis, TN | Jun 2021 – Aug 2021

- Digitized 5000+ patient files from the now-obsolete paper chart system
- Called 250+ patients to update mismatched or outdated demographic information
- Facilitated various office reorganization and logistics tasks

TEDxMemphis, *Light Board Operator* Memphis, TN | Jan 2018, Feb 2019, Feb 2020

- Coordinated 100s of event cues across 150+ lights with stage manager, sound, projection, and stagehands live and during dress rehearsal
- Completed full technical event setups with physical stage set in 1 day timeframe, teardowns in 3 hour timeframe

Wilson Lab, TN Governor's School for Emerging Technologies, *Student* Cookeville, TN | Jun 2019 – Jul 2019

- Thermomechanics/cryogenics research of lead-free SAC305 solder including finite element analysis (FEA), tensile testing, electron microscopy, and thermal cycling

ACTIVITIES

Better World by Design, *Development Committee, Financial Signatory* Providence, RI | Nov 2021 – Present

- Negotiate conference sponsorships and manage budget up to \$90k

The Critical Review, *Editor* Providence, RI | Sep 2021 – Present

- Compile up to 100 student surveys
- Copy edit up to 40 informative class reviews for prospective students semesterly

Brown/RISD STEAM, *STEAMrave Team* Providence, RI | Sep 2021 – Present

- Orchestrate and execute yearly STEAMrave interactive multimedia art installation

Design for America RISD | Brown, *Studio Member* Providence, RI | Sep 2021 – May 2022

- Design and coordinate pop-up sustainable fashion exhibit for nonprofit Around the World in 80 Fabrics

TEDxBrownU, *Operations Associate* Providence, RI | Sep 2021 – May 2022

- Organize day-of operations for TEDxBrownU conferences
- Arrange general body communications and weekly meeting
- Harmonize workflow between organization branches

VOLUNTEERING

St. Jude Children's Research Hospital, *Volunteer* Memphis, TN | Jul 2019, Jun 2020 – Aug 2020

- Visited 50+ inpatient rooms, hosted 3 activities daily for patients in common areas
- Edited 10 scientific papers
- Processed mass spectrometry proteomics data sets with 100,000+ proteins and developed Python program to analyze protein uniqueness

AWARDS

Eagle Scout, **Boy Scouts of America**

Presidential Scholar Semifinalist, **United States Department of Education**

SKILLS & INTERESTS

Proficient in Microsoft Office Suite, Google Workspace, Python, MATLAB, HTML/CSS, Fusion 360, Rhino, SketchUp, Shop Skills (Woodworking, Laser Cutting, 3D Printing, Soldering), ABAQUS, DaVinci Resolve, Final Cut Pro X, Pro Tools, Canva, QLab, ETCnomad, Lighting & Projection Design, Sound Design

Elementary in Java, Adobe Illustrator, Adobe InDesign, Adobe Photoshop

Language: Native proficiency in English, professional proficiency in Classical Latin, conversational proficiency in Mandarin Chinese

Interests: Collecting coffee table books, exploring countries, hiking everywhere, playing the violin, swimming