

RYAN PENG

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EDUCATION

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

EXPERIENCE

ENG0032, Introduction to Engineering: Design, *Teaching Assistant* Providence, RI | Aug 2022 – Present

- Teach weekly studio
- Hold homework **office hours** and **mentor 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- **Called 250+ patients** to updated mismatched or outdated demographic information
- **Facilitated** various office reorganization and logistics tasks

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

- **Operated 150+ lights** during live conference using Eos/Leprecon boards
- **Coordinated 100s of event cues** 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**

ACTIVITIES

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

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

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

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

The Critical Review, *Writer, Data Analyst* Providence, RI | Sep 2021 – Present

- **Compile** up to **100** student surveys
- **Write 6** 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

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

Technical Skills: Proficient in Microsoft Office Suite, Google Workspace, Python, MATLAB, 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 HTML/CSS, Java, Adobe Illustrator, Adobe InDesign

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