TEDDY WARNER

704-654-0528 · tawarner@usc.edu · linkedin.com/in/teddywarner/

Enthusiastic, detail-oriented student and maker at the University of Southern California's Iovine and Young Academy. I bring a strong foundation in conceptualizing and executing innovative designs through rapid prototyping and digital fabrication. I'm enthralled by any opportunity to use these skills to positively aid and influence others' lives. Visit my portfolio at teddywarner.org to explore a selection of my projects.

PROFESSIONAL EXPERIENCE

YOUNG ENGINEERS OF TODAY   Charlotte, NC
 Instructor and Curriculum Developer   Jun 2019-Aug 2023
- Instructed fabrication courses for elementary, middle & high school students
- Facilitated STEAM summer classes for children ages 4 to 16

CHARLOTTE LATIN FABRICATION LAB   Charlotte, NC
 Research and Development   Oct 2020-Jul 2023
- Orchestrated general lab maintenance and advised middle and high school students
- Built and installed custom PCs utilized in Innovation and Design classes
- Networked and maintained the lab's 3D printer farm
- Deployed and diagnosed issues with 21st-century fabrication tools
- Wrote machine workflows for the lab's Epilog Fusion Pro laser engraver, 3D printers, and CNC machines
- Responded to the need for PPE presented by the COVID-19 pandemic through designing, manufacturing, and delivering 114,000 shields and barriers (72 Volunteer Hours)

RHYTHMLINK INTERNATIONAL   Charlotte, NC
 Research and Development Engineering Intern   Oct 2022-May 2023
- Architected and programmed custom electronic systems to catalyze the testing of 44 million EMG, IONM, and cEEG probes annually
- Expedited mechanical prototyping of an electrode testing rig with digital fabrication

ESCAPE TACTIC   Charlotte, NC
 Freelance Research and Development   Jan 2023-Jun 2023
- Engineered, fabricated, and installed escape room puzzles
- Developed and produced custom mechatronic products for use within escape room puzzles

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA   Los Angeles, CA
 Bachelor of Science in Arts, Technology, and the Business of Innovation, Class of 2027   Aug 2023-May 2027
- HackSC Product Engineer – organizing one of the largest student-run hackathons in Southern California, seeking to inspire and empower the next generation of tech leaders
- USC Concerts Committee Member - bringing concerts and special events to USC students

CHARLOTTE LATIN SCHOOL   Charlotte, NC
 High School Diploma, Class of 2023   Aug 2018-May 2023
- Charlotte Latin SET Club Founder – increased interest and curiosity in science, engineering & technology through hands-on learning and effective community engagement
- Outward Bound School – participant in a 4-day leadership retreat in the Appalachian Valley

FAB ACADEMY   Charlotte, NC
 Principles and Applications of Digital Fabrication Diploma   Dec 2020-June 2021
- A rigorous, fast-paced course on rapid prototyping with digital fabrication taught by the Director of MIT's Center for Bits and Atoms, Professor Neil Gershenfeld
- Developed the Assistive Aquaponics Fish Tank – a monitored aquaponics ecosystem, expanding the accessibility of successful & thriving aquaponics ecosystems

HONORS & AWARDS

Charlotte Latin School Service Society, 219.5 hours (May 2023)
Instructables Anything Goes Contest, prize winner (Feb 2023)
Autodesk Construction Solutions Scholarship Award, 1st place (July 2022)
Instructables Digital Fabrication Student Design Challenge, 1st place (July 2022)
The University of Virginia's Jefferson Book Award (May 2022)
Instructables New Year, New Skill Student Design Challenge, 2nd place (Feb 2022)
CLS Fab Lab Student Spotlight (Jan 2022)
eCYBERMISSION, regional finalist (Feb 2019)

SKILLS & INTERESTS

Digital Fabrication | Rapid Prototyping | Front-End Devolopment | CAD | Electronic Design | Graphic Design | Digital Media