

SEAN TOBE

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[LinkedIn](#) · [Portfolio Website](#)

EDUCATION

University of California, San Diego · *ICAM (Interdisciplinary Computing and the Arts Major) (B.A.)*

- Emphasis: Computer Programming for the Arts
- 3.65 Major GPA, 3.0 Overall · Provost Honors

· San Diego, CA · 2015 - 2019

San Marcos High School

- Excalibur Knights: Top 3% of class

· San Marcos, CA · 2011 - 2015

RELEVANT COURSEWORK

- **Computer Programming for the Arts I/II · Design Communication · Three-Dimensional Art Practices**
 - Utilizing Python, Processing, or Blender, with sensors and microcontrollers, designed, developed, and exhibited cybernetic artworks informed by research in semiotics, abstraction, and humanism.
 - **Computer Vision and Computation Video Processing · Data Structures & Object Oriented Design**
 - In Javascript and Jupyter, explored machine learning, OpenCV, and the human role as a curator.
 - Grounded in Java and C, aspired towards generative art drawing from C.S.E. theory.
 - **Calculus III for Science and Engineering · Discrete Math for C.S.E. (Computer Science and Engineering)**
 - Vector geometry and functions. Implemented reasoning and proofs for computer programs.
 - **History of Art and Technology · Formations of Modern Art · Contemporary Architectures**
 - From Leonardo Da Vinci to Bauhaus to video games, my focus was on the reflection of humans in machines, vice versa via Lev Manovich's Info Aesthetics, and influence of the digital panopticon.
 - Led by Ted Cruz, connected architecture and spaces with ecology, society, and poetic experiences.
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WORK EXPERIENCE

- Creative Developer, New Media Artist in practice** · Freelance · San Marcos, CA · 2018 - Present
- Studying techniques, developing real-time interactive 3-D scenes in TouchDesigner and GLSL.
 - Exploring personal projects and building portfolio website, improving knowledge of HTML and CSS.
- AV Assistant** · Qualcomm Institute · California Institute for Telecommunications and Information Technology · San Diego, CA · 2017
- Documented and archived on-campus events with DSLRs.
 - Assisted in post-process and metadata editing to studio standards via Adobe Lightroom.
- Student Assistant** · The Design Lab @ UCSD · San Diego, CA · 2017
- Designed, organized, archived data and media for the lab online file system with Adobe Illustrator.
- Event Videographer, Photographer, Editor** · Freelance · San Diego, CA · 2014 - 2015
- Produced digital memories for weddings and personal events using Premiere Pro and After Effects.
 - Ensured setup, rental of equipment and multiple DSLRs in adaptive environments to schedule.
- Treat Team Lead** · Rita's Italian Ice · Carlsbad, CA · 2014 - 2015
- Trained and supervised new hires in storefront management, inventory log, and report of sales.
 - Oversaw remote catering for events of 20 - 500+ people. Gained insightful customer engagement.
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VOLUNTEER EXPERIENCE

- Webmaster, Recruitment Co-Chair** · Psi Chi Omega Fraternity · UC San Diego · 2016 - 2017
- Managed social media and website with informative, stylish content designed in Adobe Illustrator.
 - Coordinated info sessions and produced flyer prints, contributing to the largest class in our history.
- Tech Editor** · Key Club Division 37E · San Marcos HS · 2013 - 2014
- Produced custom media in Photoshop for prints and updated Weebly website for the tri-city area.
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SKILLS

- TouchDesigner · Python · Github · Adobe Suite
- Processing (Java, Javascript) · Pure Data · Event Videography · Photography

INTERESTS

- Live streaming community · Live DJ · SoundCloud enthusiast · Pacific shore aesthetic