

# SHAURJYA BANERJEE

kinetic sculptor | fabricator | electronics designer

## EDUCATION

Bachelor of Fine Arts in Music Technology: Interaction, Intelligence & Design  
California Institute of The Arts 2018

Apprentice to Trimpin, MacArthur Fellowship awarded artist

### ELECTRONICS

- soldering
- rapid prototyping
- sensor systems
- PCB design
- microcontroller programming

### METAL FABRICATION

- manual lathe
- CNC + manual milling
- MIG welding
- TIG welding
- jigging + setup

### WOOD FABRICATION

- rough + finish carpentry
- jig + sled making
- cabinetry
- joinery + design
- design for CNC
- CNC operator

### ARDUINO DEVELOPMENT

Extensive experience in designing motion control and user interactive systems

### DIGITAL FABRICATION

- Fusion 360 + AutoCAD
- 2D + 3D technical drawings
- photographic renders
- design for CNC
- EagleCAD

### GRAPHICS + PROGRAMMING

Using p5.js, Processing, Cinema4D and Unity3D to create games and interactive experiences for desktops, mobile devices and the web

## WORK EXPERIENCE

- 2017 - 2018 | Cinematographer and Camera Crane Operator, CalArts Video Studio
- 2017 - 2018 | Media Conversion and Production Engineer, CalArts Video Studio
- 2018 | Professor, Practical Electronics for The Curious Artist, CalArts
- 2016 - 2018 | Teaching Assistant, Interface Design at CalArts
- 2015 - 2018 | Teaching Assistant, Digital Fabrication at CalArts
- 2015 - 2018 | Technical Assistant, Concert Production at CalArts
- 2015 | Quality Assurance Automation Programming Engineer, Kadenze
- 2012 - 2014 | Recording and Mixing Engineer, BlooperHouse Studios, Calcutta

## REFERENCES

### TRIMPIN

Kinetic Sculptor  
Sound Artist  
Inventor  
trimpintrimpin@gmail.com

### MICHAEL DARLING

Head of Technical Direction  
School of Theater  
California Institute of The Arts  
mdarling@calarts.edu

### GORDON KUROWSKI

Chief Video Engineer  
School of Film/Video  
California Institute of The Arts  
gkurowsk@calarts.edu