

Casey Horton

Drafting/Modeling | Automation | Welding | Software Development

Technical Direction

College of Charleston: 2018-2019

Employed as Technical Director to construct academic productions and guide students in StageCraft lab during production hours. Responsibilities included: drafting, purchasing, instructor, shop foreman, advanced scenic construction.

Assistant Technical Direction

Heritage Theatre Festival: Summer 2018, 2019

Worked as the on-site draftsman to provide technical drawings for the scene shop using AutoCAD and used VCarve to prepare CNC files for the in house ShopBot.

Rigging/Automation

***Grounded* (circus production): 2017**

Head rigger and winch operator during performances. Set up two Creative Conners winches controlled through SpikeMark to automate various circus related equipment.

***Scenery Moving Robot*: 2016**

Updated and developed control software for a scenery moving robot (MS Visual Basic) and on-board data manipulation (C++ in Arduino), wired and soldered an Arduino Ethernet shield for data transferring on robot, created a control board layout for updated hardware and wired controls.

Carpentry/Welding

University of Virginia: 2015-2018

Shop Assistant for all years, and Master Carpenter for many main stage productions. Responsibilities included: leading student crews, carpentry, MIG welding, rigging.

Heritage Theatre Festival: Summer 2017

Worked as Master Carpenter and lead welder during the summer season. Responsibilities included: professional scenery standards, carpentry, MIG Welding

Skills

Scene Shop

Carpentry, major shop power tools, finish carpentry, knot tying, wood lathe, bowl turning, MIG welding, plasma cutter, cold bending and forming, Hossfeld bender, ring roller

Software/Hardware

Autocad 2019, Rhino, Grasshopper, C++, Java, Python, Visual Basic, Arduino IDE, Eclipse IDE, PyCharm IDE, MS Office, SpikeMark, soldering, electronic wiring

Automation

Creative Conners winch setup and operation, general and circus rigging

Miscellaneous

Single purchase counterweight system, JR Clancy automated fly system, Manual transmission, knife/chisel sharpening, Experience driving box trucks

Education

University of Virginia: May 2022 | MFA Candidate in Technical Direction

University of Virginia: May 2018 | BA in Drama