

Brice Veyna

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Employment

DESIGN ENGINEER | APPLIED ENGINEERING, INC. | DEC. 2019 – PRESENT

- On-site machine design, including single components through full machine assemblies for production lines and supporting areas, at client's facilities in food manufacturing environment.

CNC MACHINIST | DIX MACHINE SHOP | MAY 2018 – NOV. 2019

- Design using CAD/CAM software.
- Machining using CNC and manual mills and lathes.

TRIAL ADMINISTRATOR | VALLEY VETERINARIANS | SEPT. 2019 – NOV. 2019

- Prepare and assist veterinarian in administration of treatments for dairy pharmaceutical trial.
- Record field data, document treatments and observations.

UNDERGRADUATE RESEARCH ASSISTANT | CSU, FRESNO | 2016 – 2017

- Researched existing historical GIS archives and information sources for the Fresno State Geography Department.
- Created prototype online spatial, historical, and social archive for Fresno County.

ARTIST | VEYNA DESIGN STUDIOS | 2003 – PRESENT

- Assist Lead Artist to design and paint large murals for cities, businesses and private residences.

Skills

SOFTWARE

- *Computer Aided Design & Manufacturing:* Inventor, SolidWorks, ANSYS, AutoCAD, OneCNC
- *Numerical Analysis:* MATLAB, Mathematica
- *Geographic Information Systems:* ArcGIS, TerrSet/IDRISI
- *Microsoft Office Suites:* Word, Excel, PowerPoint

PROGRAMMING LANGUAGES

- HTML, CSS, JavaScript, Python, C, G-code

EQUIPMENT

- *Manufacturing:* CNC Mill, CNC Router, Manual Mill, Manual Lathe
- *Inspection:* Caliper, Micrometer, Indicator, Bore Gage, Handheld XRF Analyzer
- *Testing:* Rockwell & Knoop Hardness Testers, Universal Testing Machine, Oscilloscope, Multimeter

Education

B.S. | MAY 2018 | CALIFORNIA STATE UNIVERSITY, FRESNO

- *Major:* Mechanical Engineering
- *Minor:* Geography with Geographic Information Systems (GIS) concentration

Projects

CNC ROUTER TABLE

- Built, modified and troubleshoot mid-sized kit CNC router table. Used to create wooden bas-relief art, molds, and prototype/limited-production furniture and products.

SENIOR DESIGN PROJECT

- Worked in a team to design and build a large, portable 3D scanner rig.