

773.789.8658

bunker.jordan@gmail.com

San Francisco, CA

SKILLS

3D Design
Rapid Prototyping
Electronic Design
Technical Documentation
Technical Editing
Data Visualization
EagleCad
Solidworks
Rhinoceros 3D
Rapidform
AutoCad
Netfabb Studio
Adobe Creative Suite
Microsoft Office
Tableau Desktop
Tableau Server

EXPERIENCE

NEXT THING COMPANY

Pretengineer (Shop Manager) Oakland, CA • Mar. 2016 - Aug. 2016

Designed and built a workshop for product research, project builds, and low-volume manufacturing. Installed, set up, and maintained all machinery (Haas MiniMill, METABEAM 400, and many smaller machines). Instructed and oversaw shop staff in machine use and documentation. Created research prototypes. Designed and built large-scale event props.

MAKER MEDIA

Technical Editor San Francisco, CA • Mar. 2015 - Mar. 2016

Make: magazine and Maker Faire. Technical editing, writing, project design and fabrication, video content creation. Communicated with contributors to deliver quality projects. Hosted the "Weekend Projects" series on the Make: YouTube channel. Authored the recurring "Skill Builder" segment in Make: magazine.

TABLEAU SOFTWARE

Community and Technical Support Analyst Seattle, WA • Jan. 2014 - Mar. 2015

Created reports, data tools, and visualizations to provide vital insight to the company as a whole. Team morale and effectiveness improved significantly with access to information regarding the health of the online community and underlying support structure.

Technical Support Analytics Engineer Seattle, WA • Nov. 2012 - Jan. 2014

Provided advanced analytical guidance and solutions for customers using Tableau software. Customers ranged from Fortune 500 companies to small businesses.

SCHOOL OF THE ART INSTITUTE OF CHICAGO

Advanced Output Center Technician Chicago, IL • Aug. 2011 - Nov. 2012

Instructed students in use of fabrication and measurement tools (including 3D printers, 3D scanners, and laser cutters). Advised students in 3D modeling for rapid prototyping and design for laser-cut object assembly. Guided the lab in a more student-friendly direction by investing in lower-cost tools that students could feasibly afford after graduation. Maintained and organized all lab tools and materials.

PUMPING STATION: ONE, NFP

Electronics Area Manager Chicago, IL • May 2011 - Nov. 2012

Co-founded a non-profit community workshop. Built, organized, and maintained the electronics and CNC fabrication areas. Trained members on shop tools, taught classes on the fundamentals of electronics, and guided PS:O members in many projects.

Public Relations Director Chicago, IL • Jan. 2010 - Jan. 2011

Marketing and PR for Illinois non-profit community workshop for artists and engineers interested in collaborative education on DIY topics. Organized 8 events, as well as interviews with Popular Science Magazine, Time Out Chicago, VIMBY.com, The Transistor, and others. Maintained website, provided content for website and blog, and helped members promote classes and projects.

JB PRODUCTIONS

Freelance Engineering and Design Seattle, WA • Jan. 2008 - Present

Project design, documentation, and construction for research projects, events, art installations, and entertainment. Projects range from remote controlled electronic ignition systems to motion-activated dancing Christmas trees. Clients include Make: magazine, Sears-Craftsman, Trustwave-SpiderLabs, Simple Switch Labs, and Dowland-Bach Corporation.

SPEAKING

[Northwestern University Segal Design Institute](#)

Design + Think

[Northwestern University Kellogg School of Business](#)

Open Source Business Models In The Maker Movement

[DePaul University](#)

ReMade: How the Maker Movement is Changing Consumers

[School of the Art Institute of Chicago](#)

Hackerspaces for Art Students

PRESS AND PUBLICATION

DIY CONDUCTIVE INK

[TED Talk Project Feature](#) • [Engadget](#) • [Hackaday](#) • [Make Magazine vol 43](#)

High-conductivity, low-temperature reactive silver ink made with three ingredients. Material science demystified for the amateur chemist, and reproduced accessibly for the home lab.

COMBINATOR

[Make: Weekend Projects](#)

Window-comparator based “safe” built from scratch. Designed to give an introduction to simple digital logic circuits, with a little makeshift mechanical design and woodworking.

T.A.R.D.I.S. BOOTH

[Hack This: 24 Incredible Hackerspace Projects from the DIY Movement](#) • [Flickr gallery](#)

Pumping Station: One team project. Research and design for building a TARDIS replica which acted as a DJ booth, photobooth, and eventually shop mascot.

MEGA POCKET C.H.I.P.

[Next Thing Company](#)

Open source, 7'5" tall working scale replica of Pocket C.H.I.P. for MakerFaire which had to look and operate like Pocket C.H.I.P., be entirely powered by C.H.I.P., and withstand three days of use by 145,000+ attendees.

REMADE: THE REBIRTH OF THE MAKER MOVEMENT

[Forbes: The Economics of Open](#) • [Electromagnate documentary footage](#)

Documentary exploring the state and direction of the DIY movement across America, including hackerspaces, makerspaces, and other collaborative organizations.

MAKER FAIRE: POWER RACING SERIES

[Hackaday](#)

Two-day challenge build of a modded power wheel for the Maker Faire Power Racing Series match (most entries require months to build). Included a truck starter, two lead-acid batteries, handcart wheels, and on-site coolant hack. As a result, now a technical advisor regarding vehicle safety and minimum standards.

MAKE: MAGAZINE: SKILL BUILDERS – VOLUMES 45-49

[Lubricants](#) • [Wet Sanding](#) • [Oscilloscopes](#) • [Hot Glue](#) • [Protoboard](#) • [Acrylic](#) • [Lasers](#) • [Linear Voltage Regulators](#) • [Rivets](#) • [Sheet Metal](#) • [Spread Spectrum RC](#) • [Files](#) • [Vacuum Gauges](#) • [Wire Strippers](#) • [PVC Pipe](#) • [Spray Paint Techniques](#)

This segment of the magazine breaks down complex skills into simple concepts, makes learning new techniques easier and more approachable, and shares tips and tricks for both novice and experienced makers.