

Objective Self-proclaimed hacker seeking challenges where his experience in software development, cloud computing, and project management can be applied to produce effective solutions.

Professional Achievements **Software Design and Development**

- Analyzed operating procedures, developed best practices, and designed/wrote internal software solutions as part of a transition team for the largest residential systems integration firm in the world as it sprung from a merger of seven smaller companies
- Designed and coded custom reports to meet the various tax and other code requirements across eight states and hundreds of municipalities
- Performed R&D, including writing proof of concept code, to validate the creation of an API on an otherwise closed system in order to facilitate an effective two-way data sharing platform

Audiovisual Engineering and Supervision

- Managed AV staff for large church campus including eight meeting/performance venues
- Planned, scheduled, and supervised AV staff/needs for events including church services, radio broadcasts, theatrical performances, and various music ensembles
- Performed sound engineering, Pro Tools recording, and editing of various events for archiving, CD/web distribution, and radio broadcast

Network Infrastructure, IT Support and Cloud Services

- Wrote and tested a plan for migrating high traffic, colo-hosted web services to AWS
- Provided support to various team members who utilized custom in-house software platform
- Developed a network services & desktop support division for a residential systems integrator
- Launched cloud based services including managed wifi and data backup services

Audio Video Systems Design and Documentation

- Integral team player involved in design development of dozens of facilities including houses of worship, corporate campuses, auditoria, conference centers, & restaurants
- Proven ability to win competitive bids and develop detailed documentation packages for large-scale systems integration projects on time and on budget
- Designed government "viz lab" including video wall with 27 video projectors fed by custom graphics farm connected high-bandwidth video router and 128x128 matrix switcher supporting large scale visualization projects and videoconferencing in a multi-security zone environment
- Successfully completed project over \$300,000 executing contracts, design, documentation, project management, equipment procurement, rack building/testing/shipping, and control system functional design/testing at a remote project site

CAD, 3D, and Architectural/Design Visualization

- Created 3D walk-thru of proposed "viz lab" to assist client in securing government funding
- Designed various custom motorized lift and invisible installation designs for display devices
- Developed and managed library of over 2,500 acoustical and audio video detail drawings
- Launched a CAD/CAM design-build department for small aerospace tooling manufacturer

Software

- LAMP Servers/Development
- Amazon Cloud Services
- Linux/UNIX/Win/Mac OS X
- HTML/CSS/Javascript
- Django Web Framework (Python)
- Exploring Node.js, Hapi.js, Angular.js, ES6

Work History

IT Support Specialist	VIA International	2014-2015
Design Engineer	High Definition Home, San Rafael, CA	2012-2013
Design Engineer	SoundVision, Novato, CA	2005-2011
Design Engineer	Ultimate Control, San Rafael, CA	2004-2005
Supervisor/Engineer	First Presbyterian Church, Berkeley, CA	2001-2005
AV Specialist	Charles M. Salter Associates, San Francisco, CA	1999-2004
Tooling Designer	Kern Tech, Bakersfield, CA	1998-1999
Carpenter	Frye Construction, Bakersfield, CA	1990-1997

Education

Sonoma State University, BS Computer Science, with Distinction May 2013