

CHRIS A. TREES

CONSULTANT & RESEARCH



EXPERIENCES

present
|
2018

Research / Consultant

CAT9, LLC

📍 Cedar Falls, IA (and remote)

- Research remote services infrastructure platforms for assisted living.
- Consultant for mixed media digital puppetry live performance infrastructures.
- Researching SDN, SDS and CI/CD methods for Bare Metal infrastructure.
- Researching deployment of Blender grid rendering using Bare Metal infrastructure.
- Grant proposal for a digital media series on technology pioneers from Iowa.
- Researching AI learning feedback algorithms for use in commodity markets.
- Researching automated infrastructure deployment for remote hosted environments.
- Researching building Blockchain foundations for IoT Edge Community project.
- Consultant USDA Funding for Infrastructure funding of "Green Grid" hosting service.
- Grant proposal for USDA broadband efforts in small rural communities.
- Consultant for datacenter facilities design, construction and maintenance service.

2018
|
2012

Research / Developer

Mail Services, LLC

📍 Des Moines, IA (remote)

- Researched NFC production process to leverage USPS commercialization incentives.
- Evaluated and integrated AGILE, CI/CD, QA testing and system virtualization.
- Intro Team for Atlassian JIRA, Confluence, Bitbucket and Bamboo toolchains.
- Assisted CEO with technology partnership discussions.

2012
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2010

Consultant / Field Sales Engineer

OvalPath

📍 San Jose, California (and remote)

- Assisted CEO with target market research to refocus company marketing efforts.
- First "Mobile Workflow" communications platform serving the commercial nuclear power market.
- Established QA Test Automation and build documentation.
- Worked as Sales Engineer with CEO to adopt the platform to specific needs of new customers.

2010
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2002

Consultant

CAT Services

📍 Cedar Falls, Iowa (and remote)

- **Croft Utility Partners** Cloud infrastructure design for small communities.
- **Grasshorse Animation Studio** "Proto-Motion" mixed media stop motion animation.
- **Vianeta Communications** Training materials for data center installation and testing.

2002
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2001

Founder / Architect

Pantera

📍 Mountain View, California

- Matrix grid network of distributed storage and compute engine for accelerated batch processing.
- Using COTS servers, a grid of indexed storage was used to maintain matrix reduce results in cache.
- Pantera IP was a matrix index tracking of distributed cache algorithm partials for performance.

2001
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1985

Previous Millennium

Company & Project per line

📍 Various, California

- **Fusion One** - Integration of Levient redundant high availability server infrastructure stack.
- **Monggo** - Remote desktop service using WAP devices (cell phones).
- **Vertical Networks** - Lead hardware & mechanical design for telephony product "Instant-Office".
- **Rapid City Communications** - Built high-speed-density backplane for VLAN switch.
- **SkyStream** - FPGA design for video streaming switch.
- **Sun Microsystems** - Netra group consultant for an embedded user control console.
- **IKOS** - Field Applications Engineer for ASIC simulation products.
- **General Magic** - Partner development systems. Created touch based magic cell phone prototype.
- **National Semiconductor** - Custom FPGA for ISO-Ethernet product development kit.
- **Hughes LAN** - ATM network switch hub chassis backplane and FPGA based control bus.
- **The Engineering Dept (TED)** - PC Transporter Apple II card used to run IBM Software.
- **Lockheed MSC** - P387 - Video display subsystem control board and test station.



EDUCATION

1985
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1980

B.S. Electrical Engineering

Iowa State University

📍 Ames, Iowa

Math Honors, Nuclear Engineering Studies

CONTACT INFO

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MANAGEMENT

Venture Funding

Grant Funding

Start-up Consulting

Strategic Partnerships

Program Management

Intrapersonal Networking

INDUSTRIES

Venture Funding

Norwest Venture Partners

Accel Partners

Kleiner Perkins

Red Cedar

Consumer Electronics

Nest

Google

Apple

Sony

Dell

WeBee

Pebblebee

Resideo / Honeywell

Network Infrastructure

Sun Microsystems

Cisco Systems

Extream Networks

Vertical Networks

Nortel

Microelectronics

Nvidia

Coridium

NXP

National Semiconductor

Energy Infrastructure

Exelon Corporation

Curtiss-Wright

Alpha Holdings, LLC (Ethanol)

Croft Utility Partners