CHRISTOPHER CLARK

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EXPERIENCE

Independent Web Developer and Technical Consultant ~ *March 2015 – Present*

Nuclides.org - Open source d3-powered visualization of the elements and isotopes

EclipseTracks.org - Open source visualization of solar eclipse events using the Cesium 3D WebGL globe

FamilyGiftRegistry.net – Free private registry for families to organize gift-giving events

SparkFun Electronics – Consulting to organize and facilitate hiring/technical assessment of successor Director of IT

Director of Information Technology ~ *April 2007 – March 2015*
SparkFun Electronics, Inc. ~ Boulder, CO

Built IT department from inception to staff of 15 including developers, QA, systems administrators, and data analysts with an annual budget of $1.7M. Responsible for authoring and administering all IT policies, overseeing architecture and development of eCommerce platform (sparkfun.com) and custom organization-wide ERP system, and managing all network, desktop, storage, and security equipment for the entire organization.

- Directly contributed to growth of annual revenue from $3.8M in 2007 to $32M in 2014.
- Presented technical, business, and strategic talks at various conferences worldwide.
- Designed physical network and security infrastructure for new-construction 80,000 ft^2 office, warehouse, and manufacturing space to serve as corporate headquarters.

Image Processor / Web Developer ~ *April 2004 – April 2007*
Space Science Institute ~ Boulder, CO

Responsible for processing image data from the Imaging Science Subsystem (ISS) of the Cassini mission to Saturn (specifically: animations, videos, color composites, and mosaics) as well as developing/administering team website (ciclops.org) and custom-built content management system.

- Integrated content pipeline with NASA/JPL remote databases.
- Developed Photoshop-style web-based graphical user interface front-end for scripting Interactive Data Language (IDL) as a general purpose tool for all image processors.
- Spearheaded creation of tool chain for processing image sequences into videos.

EDUCATION

University of Colorado at Boulder ~ *December 2007*
Bachelor of Arts, Mathematics ~ (Minor, Astronomy)

TECHNICAL SKILLS

Languages: PHP, Python, JavaScript, Ruby, CSS, HTML, IDL, MySQL, PostgreSQL, MongoDB
Tools/Frameworks: Git, Subversion, Chef, Salt, Jenkins, Travis-CI, jQuery, d3, Django, AWS
Methodologies: MVC, Test-Driven Development, DevOps, Agile/Scrum
Media: UI and UX design, color theory, photography, videography, sound & video editing
Other: Linux system and web server administration, relational database design

BUSINESS SKILLS

General: Resource planning, budgeting, project management, accounting, public speaking
Human Resources: Hiring, onboarding, conflict resolution, mentoring, growth planning
Legal: PCI-DSS compliance, open source licensing, trademark and copyright law

PERSONAL DETAILS

Passionate public speaker. Excellent written and verbal communication skills.
Avid intellectual curiosity. Scientifically literate. Advocate for privacy open source.

Hobbies and interests include camping, hiking, time-lapse and astrophotography, snowboarding, skateboarding, world travel, animals, and legos.