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Honors-Awards

Ella King Torrey Graduate Award for
Innovation and Excellence in the Arts

Bronze Roller Award for Outstanding
Graduate in Printmaking

Winner, SFAI Artist's Book Contest

Alex Shepard

Software Developer
San Francisco Bay Area

Experience

California Academy of Sciences
Software Engineer, iNaturalist
September 2014 - Present (7 years 2 months)
San Francisco Bay Area

iOS development & computer vision

Meatfreezer LLC
Consultant
2012 - Present (9 years)
San Francisco Bay Area

Meatfreezer LLC provides software services to artists, non-profits, and others.

Projects that Meatfreezer has worked on include:

- Magnolia Paperweight, a SwiftUI domain-specific calculator for book artists, paper conservators, paper makers and printmakers. https://apps.apple.com/us/app/magnolia-paperweight/id1521170681
- iOS app and bluetooth LE installation with Irene Carvajal, installed at Fort Mason for the 2015 show entitled Bearing Witness: Surveillance in the Drone Age,
- iOS app guide to Open Studios in San Francisco's SOMA district,
- custom image processing software for a printmaking studio,
- MFArtist, an app that helps artists manage their artwork inventory,
- website development and consulting for a San Francisco business forum.

Eyefi
iOS Lead Developer
April 2007 - September 2014 (7 years 6 months)
San Francisco Bay Area

I joined Eye-Fi as the eighth employee when the company's product was still in beta. My initial role was as a systems engineer, but I quickly began to focus on software development. Within a year Eye-Fi had backfilled my old role so I could concentrate full time on development.

Some of my accomplishments at Eyefi:

- Specified, purchased, deployed and supported the first production infrastructure for Eye Fi, including servers, network infrastructure, and a colo/ network provider.

- Wrote significant portions of the Eye-Fi Manager, a Dojo/Javascript web application that interacts with an API server hosted at Eye-Fi and a desktop agent on a user's Mac or PC.

- Wrote the Eye-Fi iPhone/iPad application, which allows users to wirelessly and instantly sync photos from their digital camera to their iPhone or iPad, upload photos from their iPhone/iPad to their online photo sharing service of choice, to wirelessly sync photos from their iPhone/iPad to their Mac or PC (including iPhoto integration), and to monitor their Eye- Fi card upload progress. This app won an award for Technical Achievement at SXSW Interactive in 2012.
- Lead iOS developer on the EyeFi Mobi application, which extends the previous Eye-Fi apps to provide cloud capabilities, including sync, backup, organization and sharing.
- Developed several prototypes for Eye-Fi integrated products, including: several iPhone mapping and networking applications, an Eye-Fi screensaver (built using Quartz Composer), an iPhone/mobile friendly version of our web application, several Android prototype applications, and an Eye-Fi enabled Dashboard widget.

Getty Images
8 years

Software Engineer
2004 - 2007 (3 years)

- Developed tools for a 40-person IT team, providing automation, monitoring, and management for systems as varied as Linux, Windows, MSSQL, Oracle, Networking, Unix, etc.
- Developed several demo applications which consume internal Getty Images Editorial feeds and mashup with other technologies (Google Earth, Simile Timeline, etc).

- Administered Microsoft Visual Source Safe and MKS Integrity Server for a development and QA group of 150 users.

- Designed, programmed, and supported a Cisco Netflow analysis and graphing toolset using Perl, PHP, and MySQL on Linux.
- Conceived, designed, purchased and deployed a common monitoring and troubleshooting platform across all of the Getty Images regional offices. This project used open source technologies such as RRD, SmokePing, RADIUS, Fedora Core Linux, Tomcat, Flow- tools, and Cacti along with VMWare, Windows XP and cheap commodity hardware to create a standard monitoring environment.

Internetworking Engineer
2002 - 2004 (2 years)

- Administered network infrastructure supporting multicast IP telephony, EIGRP and OSPF routing, multilayer switching, etc. on Cisco equipment ranging from Cisco 2900- to 6500-series switches and 7200-, 7200VXR-, and 7600-series routers.

- Performed circuit turn-ups in the US, Europe, and the Asian Pacific Rim.

- Administered F5 BigIP Load Balancers and Nokia/Checkpoint Firewalls.
- Implemented and administered proprietary and open source network management tools
such as HP OpenView Network Node Manager, Cacti, RANCID, MRTG, and RRD.
- Administered public DNS using Bind 8 and 9.

Unix Systems Administrator
1999 - 2002 (3 years)

- Administered Linux, OpenBSD and Solaris on a wide range of hardware.

- Deployed and administered a Storage Area Network with Unix and Windows clients.
- Administered customer-facing Apache clusters experiencing millions of hits per day.
- Administered file servers for digital asset management and photo retouching teams.
- Scripted and automated tasks using Bash, Python, and Perl.
- Administered public DNS using Bind 8 and 9.

University of Washington
Student Assistant, Computing and Communications
1997 - 1999 (2 years)

- Supported and developed the University of Washington's UWired Web site and the UWired Catalyst Web site.

- Co-wrote and edited many Catalyst How-To and Quick Reference Guides.
- Provided technical support in labs and over the phone, and performed Unix operator support tasks.
- Trained professors on how to use technologies like email, mailing lists, and the web in their classes.
- Did a wide variety of computer lab support tasks, such as helping students print papers and use Macintosh and Windows software.

Education

San Francisco Art Institute
Master of Fine Arts (M.F.A.), Printmaking · (2013)

University of Washington
Bachelor of Arts (B.A.), History · (2005)