MISSION

"To VISUALIZE, TRANSMIT and TRANSFORM INFORMATION via INTERFACES, EXPERIENCES and VIBRATIONS that UNIFY, INSPIRE and HARNESS our COLLECTIVE SPIRITS."

SKILLS

HIGHER-LEVEL

- 15+ years design and programming experience
- Visualizations of large datasets and networks
- User interface prototyping and implementation
- Information systems architecture and design
- Background in architecting distributed systems

LOWER-LEVEL

- Fluent in Unix, OSX, computer science, design paradigms
- Clean, clear, commented code and interfaces utilizing JavaScript, CoffeeScript, Flex/ActionScript, Python, Sproutcore, node.js, Django, Java, Processing, perl, HTML/CSS, C/C++, SQL/database, client/server

EDUCATION

GRADUATE

Carnegie Mellon University / 97 - 98

MS / Information Networking

Masters Thesis / Icarus: A Distributed Communications Platform for Online Presence and Instant Messaging

UNDERGRADUATE

Duke University / 93 - 97

BS / Computer Science
BSE / Electrical Engineering

Departmental Graduation with Distinction, Cum Laude

EXPERIENCE

- INTERACTION DESIGN
- INFORMATION ARCHITECTURE
- TECHNICAL DESIGN + CODING
- INTERFACE DESIGN + CODING
- RESEARCH + DEVELOPMENT
- GRAPHIC DESIGN

Timeline (2011 – 2000):

ENERGY FOUNDATION

PROFERI

VARIOUS / NHIT / MEDVIRGINIA.NET

SPROUT

VARIOUS / GROOVR.COM / NEEDLED.COM

GE HEALTHCARE

VARIOUS / KINDFISH.COM

FUTURETRAX.NET

VARIOUS (FREELANCE)

AKAMAI TECHNOLOGIES

BUYSAFE.COM / ICONOMY.COM

LEAD UI DEVELOPER | PROFERI.COM (FIRST HIRE) | FULL-TIME

Researched and developed UI and visualization techniques for advancing the state-of-the-art in BI (Business Intelligence), and 'business software' in general. Developed the look-and-feel of the Proferi web application, developed the initial prototypes and client UI framework, created a generic visualization architecture, and co-developed a set of general patterns / Information Architecture to be reused as the platform continues to expand.

skills: HTML5, JavaScript, CoffeeScript, SproutCore, node.js

LEAD UI DEVELOPER | SPROUTBUILDER.COM | FULL-TIME

Researched and developed modular components for one of the most advanced Flex applications at the time, investigated and implemented 3rd-party services into the Sprout framework, and prototyped new and novel enhancements to the core platform.

skills: Flex3, ActionScript3, Web Application, 'web 2.0' APIs

LEAD UI DEVELOPER | THE DAVINCI PROJECT | CONTRACT

Sole technical developer of a Flex-based, next-generation clinical application prototype. Part of a select team of 4 chosen to develop this vision for clinical workflow management.

skills: Flex1, ActionScript2, UI Architecture, case study a.u.r.

SYSTEMS ENGINEER | AKAMAI.COM | FULL-TIME

skills: perl, HTML/CSS, UI, distributed systems

SOFTWARE DEVELOPER | TRUSTED INFORMATION SYSTEMS

SUMMERS 95 - 97 | DARPA & NSA-FUNDED R&D

skills: C++, DNS, TMach, secret keeping

CURRENT CODING TOOLSET
- SH/TCSH
- HTML
- JAVASCRIPT
- JQUERY
- NODE.JS
- COFFEESCRIPT
- SPROUTCORE
- UNDERSCORE
- PHOTOSHOP
- TEXTMATE