

- 15+ years' experience developing interactive media, starting with Razorfish & recently at Bloomberg
- Foundation in object-oriented programming, experience with full-stack web dev and game engines
- Expertise as a Technologist & User Experience Designer, for numerous Fortune 500 clients
- Producing wireframes, site maps, detailed specifications, business analysis & competitive audits
- User Research & Usability Testing: prototype exploration, in-depth interviews, & analysis of usage data
- Products in Finance, Insurance, Pharma, Tech Services, and Media & Entertainment sectors
- Product Management: managed project-level teams from blue sky ideation through implementation
- Focus on function-oriented, transactional applications with complex taxonomies and workflows

## EDUCATION

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Bachelor of Computer Science with a Minor in Music, Carnegie Mellon University (Pittsburgh, PA)  
Master of Composition in Composition for Screen, The Royal College of Music (London, UK)

## AR/VR PAPER PRESENTATION

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*The Past, Present, and Future of Immersive Music:*

*A Survey of Key Developments from Gabrieli to Virtual Reality*

New York University's Music and the Moving Image (MaMI 2020)

AES Int'l Conf. on Audio for Virtual and Augmented Reality, sponsors Facebook & Valve (AVAR 2020)

## TECHNOLOGIES

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- Design: Adobe InDesign, OmniGraffle, Visio, Adobe Illustrator, Adobe Photoshop
- Programming: C/C++, C#, Java, Objective C, Angular JS, PHP, JSP, HTML 5, CSS, Javascript
- Development Environments: Full-stack web development, Unreal Engine, Unity, Audio Middleware

## EXPERIENCE

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Senior User Experience Specialist: Bloomberg, CTO Office, New York, NY (2010 – 2015)

- Alerts: Comprehensive re-design, with News/Price/Economic data, Suggestion Engine, & Sonification
- News: Comprehensive re-design with function consolidation including flagship TOP NEWS function
- Portfolios: Launch of new Portfolio Analytics platform aimed at displacing FactSet customers
- Worked with Business stakeholders and Technology team to define User Experience
- Conducted User Interviews and User Research, conducted Usability Testing on builds
- Mobile Prototyping: High Fidelity Prototypes developed in Xcode for iOS using Objective C
- Conceived Sonic Alerts project, pitched to the CTO, obtained funding; managed Hollywood sound team

Senior User Experience & Product Management Consultant: NY/LA (2008 – 2010)

- NBC Universal (iVillage): Product Mgmt for online community for women (NY 2010)
- Temboo: B2B Cloud Computing suite of visual programming tools (NY 2009)
- Toyota (Scion/AmautaLab): Social Networking site for Scion owners (LA 2008)

Video Game Audio Designer: Los Angeles, CA (2006 – 2007)

- The Golden Compass, Shiny Entertainment (formerly Atari, now Amazon Game Studios) (2007)
- Medal of Honor: Airborne, Electronic Arts (2006)
- Sound effects creation, music spotting & editing, implementation in Unreal Engine / proprietary IDEs

Senior User Experience Consultant

New York, NY (2001 – 2005)

- Omgeo: Financial application for maintenance of trade settlement (2005)
- Avaya / R Greenberg Associates: homepage & sub-sites with faceted navigation (2004)
- MARSH: DocEngine, corporate insurance certificate issuance application (2004)
- Bank of New York / Bridgeline Software: BNY Investor Reporting Website (2003)
- Novartis / TCG Software: SPOTS system, a genomics research tool (2003)
- Empact, Inc: service quality agreement reporting, benchmarking (2002)
- Starwood Hotels & Resorts Worldwide: Search & Trip Planner re-design (2002)
- Prudential Financial: Fixed Income, Stock Alerts, Check Copies, Credit Cards (2001)

Experience Lead / Technologist

Razorfish, New York, NY (1997 – 2001)

- Media & Entertainment Clients: CBS.com, ABC Interactive
- Fashion Clients: Revlon.com, Liz Claiborne, Gloss.com
- Cultural Institution Clients: Christies.com, American Museum of Natural History
- Investment Banking Clients: Instinet Research, Schwab.com
- Knowledge Management Clients: KPMG Knowledge Management
- Technology Company Clients: IBM.com, Citrix, Razorfish Intranet & Extranet, and Razorfish.com
- Original Web Content: RSUB.com, Bunko.com, TheBlueDot.com, Spencer Tunick
- Project planning / management of information architects, designers, and developers
- Technology: ecommerce, content management, application development, knowledge management
- UI consulting: screen schematics, site architectures, navigational models, application design, user interface design, competitive product audits and benchmarking, hierarchical classification systems, requirements gathering and documentation
- One Club Bronze Award, self-promotional website for [www.razorfish.com](http://www.razorfish.com)