

EXPERIENCE

HTML5 Game Developer, Kidaptive Inc

2015 – Present

- + Pioneered and implemented novel learning mechanics for Hodoo, the world's largest language learning video game, teaching traditionally difficult concepts through fun and enjoyable experiences.
- + Automated the linguistic analysis of Hodoo, uncovering key information missed by manual efforts.

Lead Front-End Developer, EngageClick Inc (acquired by 24x7)

2013 – 2015

- + Built the production pipeline for an ad tech startup, creating intelligent and personalized media assets used from their early days through acquisition.
- + Introduced fun and gamified ways of interacting with commercial content within filesize constraints designed for still images.

Partner, Swirly Studios LLC

2011 – 2013

- + Conceptualized and fully built out a suite of children's apps for a Fortune 100 company's Latin America marketing campaign after receiving a request from them to license the use of an earlier hobby project. Organized LLC formation, hired and managed staff for all non-programming tasks. Delivered all apps on original schedules.

Flash Game Developer, MIT Education Arcade

2006 – 2008, 2009 – 2011

- + Helped develop *Labyrinth* and *Xenos*, web-based game environments to teach mathematical reasoning and English language skills.

Chancellors Fellow, Alexander von Humboldt Foundation

2008 – 2009

- + Consulted with institutions throughout Germany as a national fellowship recipient.

EDUCATION

Massachusetts Institute of Technology

2004 – 2006

Masters of Science, Media Studies

4.9 GPA (5.0 Scale)

- + Published numerous influential, widely syndicated, academic articles and white papers available upon request.

University of California Los Angeles

2001 – 2003

B.S. Linguistics, Cognitive Psychology, Teaching English

3.83 GPA

- + *Magna Cum Laude*, College Honors, Departmental Highest Honors

SKILLS

FRONT-END WEB/MOBILE: Typescript, ES2015, PolymerJS, Angular 2, Material Components, Cordova

JAVASCRIPT ANIMATION: Spine (JSON-based bone manipulation), StageXL, PixiJS, Greensock, CSS

MEDIA CREATION: Adobe Photoshop, Flash/Animate, Audition, After Effects