

## Objective

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Recent graduate with a passion for designing and developing technology that explores human behaviors and communication through computer and software programming, web and mobile design, data viz, interaction design, and VR.

## Education

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**Coral Gables, FL** **University of Miami** **August 2010 – May 2016**

- **Master of Fine Arts** (2016) in Interactive Media
- **Bachelor of Arts** (2014): Majors in Computer Science and Graphic Design/Multimedia, Minor in Advertising

## Experience

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**Data Visualization & UX Developer (Contract)** **Google** **August 2016 – November 2016**

- Developed data visualization on Zika search interest using D3.js, improving accessibility and understanding of Zika infection rates in the Americas
- Designed adaptive web elements and visual schemes with HTML/CSS, increasing potential use visualization tool across a variety of devices
- Analyzed design prototypes and data to facilitate intuitive and user-friendly experience within visualization

**Adjunct Professor** **University of Miami School of Communication** **August 2015 – December 2016**

- Taught practical approach to web development through the use of content management systems for web lab course (CIM 111)
- Taught disciplines of user experience (UX) and interaction design (IxD) for interaction design course (CIM 211)

**Software Developer & UX Specialist** **Mars, Inc.** **June 2015 – August 2016**

- Developed initial web application, improving the process of analyzing and viewing cacao plant research through wireframe and prototype conceptualization
- Utilized HTML/CSS to design web elements and visual schemes and programmed D3.js data visualizations, improving accessibility of information available to scientists and researchers
- Conducted usability testing of cacao plant research tool prototypes through effective UX research methods

**Data Visualization Specialist** **University of Miami Compensation** **June 2015 – August 2016**

- Analyzed data and statistics of 13,000+ workforce to design and program data visualizations of career paths
- Prototyped website to effectively communicate and display compensation structure information

**Data Visualization & UX Specialist** **The Miami Project to Cure Paralysis** **May 2015 – September 2015**

- Designed and programmed data visualizations and visual schemes for web pages, including implementation of AngularJS javascript framework
- Analyzed JSON data provided by researchers and determined best practices for visualizing information
- Managed and maintained web content on university servers, improving structure and accessibility of content

- Programmed and established software databases for querying collection items for use within entire organization
- Assisted digital repository librarian in updating and maintenance of university libraries digital collection with Omeka web publishing platform
- Developed desktop applications to organize metadata, improving cataloging of thousands of items
- Utilized HTML/CSS to design visual schemes for web pages and and d3.js to program data visualizations and effective infographics

## **Skills**

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- Proficient in software development, computer programming, graphic design, web design, and debugging
  - Software: Unity, Autodesk Maya, Xcode, Tableau, Command Line, Linux
  - Programming Languages: Java, JavaScript, JQuery, C, C++, UNIX, PHP, SQL, XML, Ruby, HTML/CSS, d3.js, Python, AngularJS, NodeJS, and R
- Experience in building Arduino and Processing programs and projects
- Strong familiarity with Adobe Creative Suite, Microsoft Office, and Apple software products