Michael Fernandes
design technologist

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education

University of Washington — **Human Centered Design & Engineering, B.S.E.**
Human Computer Interaction concentration
Minor in Mathematics

Expected Graduation
Spring, 2017

experience

Jun 2016 - Present

Research Assistant *University of Washington*
How can user interfaces represent unpredictability in a way that aids users in making more optimal decisions? I collaborated with 3 research professors and another undergraduate student to solve this design problem. Using the trip planner app One Bus Away, I designed a user interface that aids its users in assessing the uncertainty that exists in real time bus arrival data.
+ Conducted an agile method to design a user interface containing statistical distributions which display uncertainty for the user
+ Designed solutions for space constraints and visual communication
+ Visualized 7 different types of visualizations using D3.js
+ Performed user research and informal usability studies to improve design

Sep 2016 - Present

Course Assistant *University of Washington*
Students of Interactive Systems Design(HCDE 310) learn both the technical and design know how to build their ideas into interactive prototypes. I helped teach this course in the fall of 2016 to 90 undergraduates who had a wide range of skills.
+ Communicated technical concepts in python coding language
+ Provided feedback related to design to guide student's design choices

Sep 2015 - Dec 2016

Digital Manager *Travel Smart Clinic*
The Travel Smart Medical Clinic opened in 2015 as a newly formed travel medicine clinic. I came on board to help establish a strong digital presence.
+ Created graphic logo to be used on both print and digital mediums
+ Directed social media marketing on multiple platforms

Jun 2012 - Sep 2014, 2016

Engineering Intern *Lin & Associates*
Lin and Associates provides their clients with engineering consulting. I worked for the company for three summers as an engineering intern taking on various roles. Recently I have helped recruit three recent graduates to the company.
+ Performed land survey and other pre-construction tasks including CAD modeling on civil-3D and proposal writing.
+ Recruited recent grads to entry level Engineering positions

projects

Spring 2016

Data Visualization *Search Alchemy*
Search Alchemy examines the relationship between Users and their web searches. Using natural language processing, Search Alchemy analyzes the content of past web searches to understand changes in behavior overtime. Using data visualization, users can gain an understanding of their search behavior over time.

Fall 2015

User Experience Design *SightSeers*
The Sightseers mobile application supports travel both before and after a user's journey. Using a User-Centered design process, Sightseers evolved from ideation to high fidelity mock up. Following a cyclic approach I created user personas, design sketches, storyboards, wireframes, paper prototypes and high fidelity mock ups as deliverables.