

RYAN KOCH

FULL-STACK WEB DEVELOPER

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in ryanwkoch/

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Skills

FRONT-END

JavaScript

Ruby

HTML5

CSS3

Bootstrap

HandleBars

jQuery

node.js

SASS

BACK-END

Ruby

Rails

AJAX

PostgreSQL

UX

Usability Testing

Heuristic Evaluations

Focus Groups

Survey Design

Quantitative & Qualitative Analysis

Wire Framing

Mock-ups

Modeling

Awards

Outstanding Research

Fisher College Center for Leadership in Public Service; 2015

Outstanding Student

Fisher College Psychology Department; 2016

Student of the Year

Fisher College Psychology Department; 2013

Experience

General Assembly Web Developer Trainee

2017 to Current

Currently enrolled in a 12-week immersive program focused on full stack web development. This program teaches developers the ins-and-outs of frameworks such as JavaScript, jQuery, AJAX, Ruby, Rails, MongoDB, Express, PostgreSQL, node.js, HTML5, CSS3, Handlebars.js, Ember.js, Bootstrap, SASS and git.

Nuance Communications User Experience Research Intern

2017 to 2017

While conducting user testing, centered around multi-modal in-vehicle experiences, I assisted in the hiring process and formation of the first team to Nuance's brand new Design Research Innovation and in-Vehicle Laboratory (DRIVE). Some of my duties included: early concept research, review and preparation of usability studies, review of an expert review, development, and deployment of multiple online survey data collection efforts, and data analysis.

Massachusetts Institute of Technology (MIT) Lincoln Laboratory Human Factors Research Assistant

2016 to 2016

Provided support to a project involving public health surveillance software. My work with this project involved practices such as the performance of a utility analysis, serious game creation and implementation, and the utilization of focus group methodologies.

Massachusetts Institute of Technology (MIT) Lincoln Laboratory Human Factors Research Assistant

2015 to 2015

Provided support to user testing projects, usability testing, heuristic evaluations, data collection, and report generation on two projects concerning law enforcement video analytic software.

Projects

Tic-Tac-Toe 2017

A front-end, single page application, project utilizing JavaScript, jQuery, AJAX, HTML, CSS, SASS. User actions include: sign up, sign-in, change passwords, sign-out, view stored game data.

Personal Portfolio 2017

Created my own personal portfolio using Bootstrap, HTML, and CSS.

Fitness Tracker 2017

A full-stack project, where I built the front-end and back-end of a single page fitness tracking application utilizing Ruby, Rails, JavaScript, jQuery, AJAX, HTML, CSS, SASS, and Bootstrap. User actions include: sign up, sign-in, change passwords, sign out. I built an API from scratch, where users can access and modify stored exercise data.

Serious Game 2016

While working at MIT, I built a serious game, that was used to collect data from subject matter experts. This game was implemented in a focus group designed to evaluate the utility of a public health monitoring system.

Education

M.Sc. Human Factors Engineering

Tufts University; expected 2018

Web Development

General Assembly

B.A. Psychology

Fisher College