Benjamin Carney

Computer Science Student

Personal Info

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Personal Website

www.benjcarney.com

GitHub

https://github.com/benjamincarney

LinkedIn

www.linkedin.com/in/benjamincarney

Skills

Programming Languages:

- C, C++, Objective-C
- Java, Javascript, Python
- Swift, Ruby, SQL

Design:

- HTML5, CSS, LaTex

Activities and Extracurriculars

Phi Theta Kappa Honor Society

Michigan Hackers

MRun

Interests

UI/UX/HI design

Web and Mobile Application Development

Film, photography and music production

Experience

04/2018 - present

iOS Development Intern

Delivr Co.

- Collaborated alongside fellow IOS development interns in the designing and implementation of front-end interface using Swift programming language
- Performed unit-testing for over a thousand lines of code to catch buggy implementation
- Tasked with investigating user experience feedback in early stages of beta testing

04/2017 - 09/2017

Education and Research Intern

Clinton River Watershed

- Collected and analyzed water quality data spanning over 760 square miles of urban landscape in order to gauge severity of local stream degradation
- Compiled and reported stream quality data to identify problem-areas throughout various communities
- Engaged in multiple education initiatives with local schools that were aimed at increasing stream quality awareness among young children

11/2015 - 05/2017

Music Instructor

At-Home Music Lessons

- Conducted private, one-on-one, guitar, bass guitar, and piano lessons with several personal students, ranging in age groups from young toddlers to grown adults
- Responsible for creating curriculums personally attuned to each individual student's ability
- Coordinated large music recitals lasting over a couple hours each, showcasing over a hundred student's personal progress over a 6 month period

Education

09/2016 - present

University of Michigan, Ann Arbor 2020

- Major in Computer Science
- Minor in Business

Personal Projects

Garduino

- Utilized Arduino microcontroller to automate irrigation process within personal garden
- Implemented code which read data in from soil moisture sensor, resulting in either the opening or closing of gate inside of solenoid valve based on specified water-content threshold

Personal Website

- Designed a personal website that would allow me to showcase my personal projects
- Self-taught CSS, HTML, and Javascript to handle front-end framework