Anand Dukkipati

anandrav@umich.edu   ●   (717) 805-6332

Education

University of Michigan, Bachelor of Science in Computer Science, **GPA: 3.65/4.0**   Sep. 2017 - April 2021

- **Data Structures and Algorithms (EECS 281)**
- Object-Oriented and Advanced Programming (EECS 381)*
- Web Systems (EECS 485)
- Computer Organization (EECS 370)

*currently enrolled

Skills

- Languages: C++, Java, Python
- Web: HTML, CSS, SQL, React.js, REST APIs
- Languages: English, Spanish

Projects

Animation Maker   July 2018 - Present

https://play.google.com/store/apps/details?id=com.arduk.animationcreator

- Developed an Android Application available on the Google Play store for drawing traditional frame-by-frame animation
- Designed tools and features such as drawing, making undos/redos, and "onion-skinning"
- Optimized app performance for new and old Android devices
- Debugged application based on user feedback
- Continuing to add new features and polish UI
- Accumulated **3000+ downloads** on the Play Store

Insta485   Jan. 2019 - March 2019

http://ec2-3-17-131-121.us-east-2.compute.amazonaws.com/

- Developed a copy of Instagram using Flask, hosted on AWS (Amazon Web Services)
- Implemented a REST API to simplify requesting resources for webpages
- Created interactive UI and infinitely scrolling front page using React.js
- Implemented SQL database to keep track of user data and posts
- Designed page layout and graphics using HTML and CSS
- Created script to automatically reset database on an hourly basis to maintain demo

Pairing Heaps   May 2018

- Implemented a pairing heap priority queue from scratch in C++ using two research papers
- Implemented a binary heap priority queue and a sorted array priority queue from scratch in C++

Connect 4   Nov. 2017 - Dec. 2017

- Collaborated in a group of four to create a Connect 4 game in C++
- Designed colorful GUI with animations using OpenGL

Volunteering

Drop-in Tutoring   Jan. 2019 - Present

- Provided tutoring for undergraduate computer science students through HKN

Sequoia Place   Jan. 2019 - Present

- Visited retirement homes to help senior citizens use technology through HKN