

Seth Setse

Software Engineer

'23 Computer Science Major, with interest in artificial intelligence and mathematics. Experienced in computer programming, web development, mobile app development, and game development.

Personal Info

Phone

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E-mail

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GitHub

<https://github.com/MCElmo>

Personal Website

<http://www.sethsetse.com>

Programming Languages

Java

JavaScript

Typescript

C#

Swift

Python

HTML

CSS

React

Activities / Awards

- National Society of Black Engineers (NSBE) **Corporate Liason**

Honors/Awards

- Congressional App Challenge Winner
- Montgomery College Programming Contest 1st Place
- National Merit Scholarship Recipient
- AP+ PLTW Achievement in Engineering

Education

Aug 2019 - present

Carnegie Mellon University

Class of '23 | School of Computer Science

Experience

May 2020 - Aug 2020

SWE Intern | PowerApps Data Runtime Team

Microsoft

- Accepted, as a freshman, to the Microsoft SWE (Junior / Senior) Internship.
- Designed UX for a new Excel Online connector in PowerApps
- Wrote **TypeScript** code to parse the metadata response from the new connector
- Created a meta-data driven UX in **React** to display different panels in the process of importing a new data source from the connector.

Mar 2020 - present

Full Stack Developer

MyDisneyPal

Developed both client and server software for a chrome extension called My Disney Pal that synchronizes video playback on Disney Plus and adds various chat features.

- Developed the front-end extension and UI using **JavaScript, HTML, and CSS**
- Created a back-end system using **Socket.IO, Redis, JavaScript, and Node** to connect users in a room, synchronize user video playback, allow users to chat in rooms, filter chat messages, ban users from rooms, and send emojis onto other users screens.
- Created an horizontal auto-scaling system using AWS for the back-end to add more virtual servers and Redis nodes to handle a large amount of users
- Developed a website for the extension to help users learn about the extension: **mydisneypal.com**
- Acquired over **9 thousand downloads** for the extension.

Sep 2017 - present

IOS App Developer

myMCPSHelper

Developed an IOS app titled myMCPS Helper in **Swift** with the purpose of helping students in Montgomery County view and simulate their grades.

- Amassed over **60 thousand downloads** on the app store with an average 4.6 rating from over **2400 reviews**.
- Implemented interstitial ads to increase revenue by **102%** monthly

Oct 2018 - Aug 2019

Software Engineering Intern

Johns Hopkins University Applied Physics Lab

- Coded a 3-D website in **JavaScript** using three.js to display various engineering tools.
- Designed a page template using **Confluence Wiki** to help tool experts easily create a site for their tool
- Optimized page load times and fixed bugs for an internal site using **ColdFusion**