

Daniel Hyatt

Programmer, Incoming freshman at UMBC

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EXPERIENCE

Google, CSSI Student

JULY 2021 - AUGUST 2021

Google Computer Science Summer institute is a summer program/internship for soon-to-be collegiate computer science students. We were taught the basics of HTML/CSS/JavaScript, and learned Firebase Auth and Realtime Database.

Kids For Code — Programming Teacher

JUNE 2020 - MAY 2021

Kids For Code is an organization created by students at Wootton High School. I teach Java and HTML/CSS to students aged 7-14, about 40 to 60 students per session (sessions are six weeks, we are currently on our third). I also created and maintain their website, kidsforcode.org.

TIC Summer Camp, Bethesda — Staff Assistant

JUNE 2019 - AUGUST 2019

TIC Summer Camp is a camp that enables campers to play sports and learn about technology. I taught Java and web development, engaged and supervised children about learning and getting active, and learned to communicate effectively with other staff and parents while working as a staff assistant.

EDUCATION

Winston Churchill High School, Potomac

AUGUST 2017- JUNE 2021

I have taken one programming related course at WCHS, called AP Computer Science Principles. I got a 5 on the final exam. In addition, I took the AP Computer Science A (a Java class) final exam without the class, which I got a 4 on. AP exams are graded on a scale of 1 to 5, a 3 is passing. Both exams were taken during my freshman year.

PROJECTS

MCPS Sidekick — App for iOS and Android written in Flutter

(2018) To learn Flutter, a new cross-platform framework of Dart that Google launched, I decided to create an app to view my grades. It can also calculate how your grade will change with future assignments. Development took me about two weeks, and across both iOS and Android it has about seven hundred downloads. ([mcps.app](#))

Sciber — Website like Medium.com written in Go and Bootstrap

(2020) I loved reading articles on Medium.com, but I couldn't read more than three articles a month without a

subscription. In addition, Medium takes a lot of data from the user and is slow. While it looks great, I still wasn't satisfied, so I started Scriber, a registered nonprofit where people can read and write for free. I wrote the backend in Go, the Gin framework, and Postgres. For the frontend, I used Bootstrap 3. It's published, but I will not be promoting it as I only intend to provide an alternative to Medium. (scriber.cc)

SKILLS

Web Development

- Proficient in HTML/CSS/JS
- Bootstrap 3 - used in Scriber extensively and other websites I have made for fun
- Bootstrap 4 - used in the Kids For Code website
- Bulma - used on my personal website

Mobile Development

- Flutter - wrote multiple apps in Flutter, published MCPS Sidekick and more on my GitHub
- Some native Android - [published](#) a mobile app version of the game "5 Clicks to Jesus" at 14

Server Side Development

- Proficient in PHP - taught a friend and helped him to create a tutoring website, twelfthlevel.org
- Go - used Google's Go language to write the server for Scriber with the Gin framework

General Languages

- Java - my first language, used in many projects for many purposes
- Python - used for TensorFlow and to write servers at hackathons

Artificial Intelligence

- TensorFlow - completed Coursera "Deep Learning Specialization" course, planning to take the TensorFlow certification exam by the end of October

General Software

- Proficient in all Microsoft Office products and their Google/Apache OpenOffice equivalents
- Two years coursework in Adobe Photoshop & Illustrator
- 3+ years experience with both Windows and Linux-based operating systems
- Proficient using the Linux terminal
- Some experience with AWS and Firebase
- Some SEO experience

General Skills

- Communication skills - communicated with parents and other staff members at TIC Summer Camp and Kids For Code
- 60+ WPM typing speed

AWARDS

Minds In Motion Athletic Award - awarded to high school athletes who maintain a high GPA during their sports season.

BlairHacks 2 Hackathon "Organizer's Choice" Award - led a four person team to create an in-browser 3D clone of Wii tennis (but with table tennis) where users use their phones as Wii remotes by making use of the gyroscope and other sensors, along with Flask (Python) and A-Frame, a 3D graphics library created by Mozilla.

LANGUAGES

Spanish - took four years of Spanish, can give simple instructions and understand simple phrases