Malik Taylor

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EDUCATION

- **University of Houston** *B.S. Computer Science* 3.35/4.0   *Class of 2024*
  Minor in Computer Engineering Technology
- **Coursework:** Data structures, Algorithms and Complexity, Computer Architecture, Software Engineering, Embedded Systems, Machine Learning, Operating Systems, Circuits and Analysis

EXPERIENCE

City of Austin, Head Lifeguard, May 2019 **-** Present
Overseeing activities at aquatic facilities. Assisting with swimming lessons. Explaining and enforcing rules, regulations, and policies to ensure the safety of patrons.

Altitude Trampoline Park, Party Host, June 2018 – June 2019
Responsible for ensuring the safety of all customers, providing host services for birthday parties, restocking inventory, and refreshment sales.

SKILLS

Software: C++, C#, Java, Python, PHP, HTML, CSS, JavaScript, MySQL
Frameworks: Bootstrap, Express.js, Selenium
Technologies/Other: Git, VS Code, R Studio, Microsoft Azure, Embedded Systems, EAGLE PCB design, CAD Fusion 360, 3D printing, Soldering

PROJECTS 🐙 github.com/maliktaylor

Pomo-Grow Web Application - https://pomo-grow.herokuapp.com/
- Built using HTML, CSS, JS, Bootstrap and Express.Js**,** Pomo-Grow is a customizable pomodoro timer that works on desktop and mobile browser. The application features a responsive design, user authentication for user login/register page and keep track of users focus time.

Student Management Dashboard
- Developed a student database OOP application that allows administrative users to register students and student users can enroll in courses, view/pay tuition, etc. The dashboard also features user authentication utilizing Java and SQL.

Music Visualizer
- Real-time 7-band frequency LED Music Visualizer using an Arduino microcontroller and C++

Security System
- Built a basic password-protected alarm system capable of motion detection using the Arduino paired with a PIR sensor, keypad and onboard RTC clock module.

AWARDS AND HONORS

University of Houston Dean's List	2020 – 2021
Michael & Susan Dell Foundation Scholar: $20k Scholarship	2020 - Present
The Links Inc. Town Lake Chapter scholarship recipient: $20k	2020 - Present
University of Houston Diamond Family Scholar	2020 - Present