

Skills

Web HTML, Javascript, CSS, React framework
Native C#, Node.js, Java, Python | Intermediate: C++
Games Unity3D Game Engine, Oculus VR SDK, Photon Multiplayer
Adobe Suite Illustrator, Photoshop, Animate, After Effects
Other Git, Firebase/Google Cloud, Bash, Discord API, Ableton Live, Logic Pro, Blender, CAD

Experience

University of Chicago, Center for Data and Computing Summer Lab, Research Assistant (Summer 2021)
Center for Spatial Data Science - Helped develop WebGeoda research tool (React)

Leaders United for Change - leadersunitedforchange.org (2020-present)
Created internal web app to match mentors/students (Firebase, React)

Magnify Progress & Tobiko.io, Internship (2018-2020)
Mass image download and classification (Python, Tensorflow)
Image classification webpage – Backend + Frontend (Python, Elasticsearch, GraphQL, React)

LinkU - linku.live (2020)
Lead developer - Video conferencing web app for college freshmen to meet (Firebase, React, Twilio)

Projects

Web Apps
hags.io: Online, socially-distanced yearbook signing app (hags.io)
MirrorDashboard: Open source software for Smart Mirrors (bit.ly/mirrordashboard)
Sequin Music: Music creation tool using Firebase + React (sequinmusic.com)
DJQ: Song request system for live events (djq.sequinmusic.com)
TaskForce Todos: To-do app using Firebase + React (taskforcetodos.com)

Extensions
Five Chrome Extensions, totaling 47,000+ current installs
Three open source Minecraft Bukkit plugins, totaling 15,000+ downloads

Games
Kartfinity for MacOS/Windows - Unity3D + Firebase (kartfinity.com)
Fish Simulator for Android/iOS - Unity3D (yoonicode.com/fishsimulator)

Education

Harvard-Westlake School, 11th grade (2019-present)
Co-developer, bulb.hw.com - Forum for student feedback for Student Council (React, Firebase)
Developer, Equity Sticks - Web app for teachers to track participation (React, Electron)
HW Game Jam, 2nd place - Oculus Quest VR game in Unity (2020) - yoonicode.itch.io/escape-the-lab
HW Hackathon, 2nd place team - Facial recognition app to help Alzheimer's patients (2019)
VEX Team Website Challenge, Finalist (2021) - hw-robotics.web.app
VEX Robotics team - competed in World (2021) and qualified for State (2020) Championships
President, CS Club; CyberSec club (PicoCTF team); Co-founded Coding Club; Student Ambassador

UCLA (Summer 2020 & 2021)
Intro to Computer Science I (2020) and II (2021) in C++; Los Angeles Computing Circle (2020)

HarvardX Online Courses (2019)
R Basics, Machine Learning

Mirman School (2010-2019)
Departmental Awards – Math, Technology, & Spanish (2019), Technology & Theatre (2018)
Teen Tech Hackathon team – Moonshot award (2019)
Taught Unity Game Development classes
USC Discovery Project (Summer 2019)

Great Minds Robotics (2014-2019)
C#, C++, Unity, Data Structures, Machine Learning, Basic Cryptography, SQL, Computer Architecture

Johns Hopkins Center for Talented Youth (Summer 2018)
Fundamentals of Computer Science, Intensive Studies