

Objective

A High School candidate looking to gain work experience and apply skills in impactful, real-world projects.

Education

Montgomery High School, Class of 2019 (GPA: 99.33%)

AP Computer Science (5) AP Chemistry (5) AP Calculus BC (5) AP Physics C Mech & E&M (5)
AP Language and Composition (5) ACT: 36 Princeton CS 217

Experience

SUMMER SOFTWARE ENG. INTERN - ENG DT WEB CRAWL 1, BLOOMBERG: PRINCETON – JUL 9-AUG 31 2018

Worked in ENG Data Technologies on a web-crawling IDE feature to empower users to retrieve the latest news updates with more freedom and flexibility, working in ReactJS, NodeJS, headless browsers, and custom APIs.

GRADECHECK, SCHOOL SPONSORED APPLICATION – 2015-PRESENT

Created an app for students based on the school's grade-book system. Through collaboration with the school, was able to help students stay organized and focused in their studies using push notifications, personal calendar integration, and insightful statistics. Developed an API for the new system, a Node JS Server, and native iOS and Android apps. The app is now supported by Montgomery High School. Has achieved over 2.1k users and is on the App Store (GradeCheck Montgomery)

ROBOTICS 1403 PROGRAMMING TEAM – 2015-2017

Won District Chairman's Award 2016. Utilized Java and WPI Libraries to create a competitive bot for robotics team using Command-Based programming and Raspberry Pi. Created algorithms for computer vision with OpenCV, motion mapping, and autonomous movement.

SERVICE & COMMUNITY – 2015-PRESENT

Co-founded MontyHacks, a hackathon event to spread passion for Computer Sciences. Also an organizer for Scratch Kids Camp and on the Computer Science Club Board to tutor students to explore languages like Java, hardware like Arduino, and competitive programming algorithms.

Awards

USACO GOLD DIVISION QUALIFIER - National HS programming competition WWDC 17 & 19 SCHOLARSHIP

Received Scholarship from Apple to attend the 2017 Worldwide Developers Conference through submission of a 3D-modeled Solar System and unique user-interface using Swift.

PENNAPPS XVIII - TOP 30 WINNER ([HTTPS://DEVPOST.COM/SOFTWARE/SUPERMARITAN](https://devpost.com/software/supermaritan))

Hack For Resilience - an emergency response application empowering community participation.

HACKPRINCETON - MOST SUSTAINABLE, FACEBOOK DATA FOR SOCIAL GOOD ([HTTPS://DEVPOST.COM/SOFTWARE/HOMEGROWN-SUK9LQ](https://devpost.com/software/homegrown-suk9lq))

MHACKS NANO - TOP 12 WINNER (TABWATCH : [HTTPS://DEVPOST.COM/SOFTWARE/NANO](https://devpost.com/software/nano))

Created helpful productivity chrome-extension to monitor excessive internet usage.

MHACKS X - CALARIE : ([HTTPS://DEVPOST.COM/SOFTWARE/CALARIE](https://devpost.com/software/calarie)) ARKIT APPLICATION

PENNAPPS XV - HONORABLE MENTION (INNATA: [HTTPS://DEVPOST.COM/SOFTWARE/INNATA](https://devpost.com/software/innata)), SMART FINANCE

LIBRARY LEARN

Ongoing project using TensorFlow and Python to automate library sign-ins using Convolutional Neural Networks and Facial Recognition.

Skills

BACKEND

Node JS & Express
Databases & Monitoring (MongoDB, DataDog)
Utilizing REST/Third Party API, Authentication
Tensorflow (Python, Javascript)

FRONTEND

iOS Development (Obj-C and Swift)
React (JS, Native) and Redux
Android Development
Web Design, JQuery, Bootstrap, JSX, EJS, Sketch

Languages:

Java, JavaScript, Objective-C, Swift, Python, HTML5, CSS3, Jade, Bootstrap