



DAVID

YI

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🌐 DavidYi

Education

Rice University

August 2018 - May 2022

B.Sc. Computer Science

Bergen County Academies

September 2014 - June 2018

Academies of Technology and Computer Science

GPA (unweighted): 3.83

Coursework

Intro to Computer Science - builds the foundation in CS (from loops to objects) in python and a bit in Java

AP Computer Science - gives some theoretical knowledge (from logic gates to polymorphism) in Java

C_Data Structure - indepth knowledge of CS (assembly, data structures, basic algorithm) in 6502/C/Java

SQL - gives some basic in database and operations in SQL

Intro to Web App Development - Gives basics in back end development using PHP

Applied App in Web App - projects that applies past courses in HTML/CSS/PHP/SQL

Adv. Topics in Computer Science - theoretical concepts in CS (from lambda to Turing Machines) in Dr. Racket

Processors I-II - learn to build computer processor using Logism

DataStructures - more mathematical and algorithmic side of Computer Science in C++

Projects

Intermediate Text Translator

HackBCAIII - March 2016

Developed in HackBCAIII in a 24 hour time span. Translates a text message to a set language and sends to a earlier specified phone number. Won Best Twilio Hack.

Languages/Technologies: Twilio, Python (flask)

Dodgeball

May 2016 - June 2016

Developed Dodgeball for BrightLogic's Active Floor, an interactive, touch-sensitive floor, with two game modes: one where you dodge balls and another where you dodge "lasers".

Languages/Technologies: javascript

Web App Development

December 2015 - January 2017

Worked with other students to remake some of the school website because it was outdated and there were many complaints on its lack of speed. Worked mostly on the backend but also worked on the frontend and the database.

Languages/Technologies: HTML, CSS, PHP, SQL

Bergen County Veterans Service

September 2017 - Present

Working with few other students to maintain and add on to Bergen County Veterans Service website.

Languages/Technologies: HTML, CSS, PHP, SQL, Laravel

Experience

Intern @ BCA Mechatronic Research lab

September 2017 - Present

An intern at the Bergen County Academy Mechatronic Research Lab. Helping students with their Mechatronic project in both the engineering and programming aspects (arduino).

Organizer @ HackBCA4

June 2016 - April 2017

One of the organizers for HackBCA4. In charge of finding and emailing sponsors.

Honors/Awards

Best Twilio Hack at HackBCAIII

March 2015

Qualified for American Invitational Mathematics Examination

February 2016

Gold President's Volunteer Service Award

September 2017