Ahad Rizvi

Thomas Jefferson High School for Science and Technology, Senior

ahadrizvi@gmail.com

Skills, Honors, and Other Experience:

Fluent in Java, ArduinoC, HMTL, CSS, XHTML, Python, JavaScript
  Dabbled in C, C++,

Have fluency and experience in analog and digital signal processing

Investigated The Applications of Common Flowers as Riparian Buffers: The Effects of Different Types of Plants on Phosphate and Nitrate Concentrations in Water in a year-long project

Built a scheduling and productivity webapp that utilizes the Pomdoro technique

USACO Silver

National Latin Exam Gold (2014, 2015, 2016)

NJCL Etymology Exam Gold (2013, 2014, 2015)

Built a remake of Atari Lunar Lander in Java

Have extensive experience in designing, building, bread boarding, programming, and general fluency with Arduino based electronics projects as well as with other microcontrollers.

Have experience and fluency in operating an oscilloscope and working in a lab environment

Relevant Education

GPA 4.252/4.0 (Weighted)	Advanced Linear Algebra
Chemistry I Honors	TJ Foundations of Computer Science
TJ Physics I Honors (Mechanics, E&M, Waves)	AP Computer Science Plus Data Structures
AP Physics C Mechanics and Electricity & Magnetism	Advanced Analog Electronics
	Advanced Digital Electronics
AP BC Calculus	JHU CTY Introduction to Web Design (CSS, HTML, XHTML)
Advanced Multivariable Calculus	

Relevant Leadership Experience

Electronics Club: Officer

  Taught electronics techniques, bread boarding, circuit design and basics of electronics theory, and lead a team to create electronics based projects

  Investigated techniques to acquire signals and data from a rotary phone and port the data via Bluetooth to be compatible with a modern Android smart phone.