



NEWSLETTER

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NCCU – Toyota/Bodine Aluminum Computer Training Academy

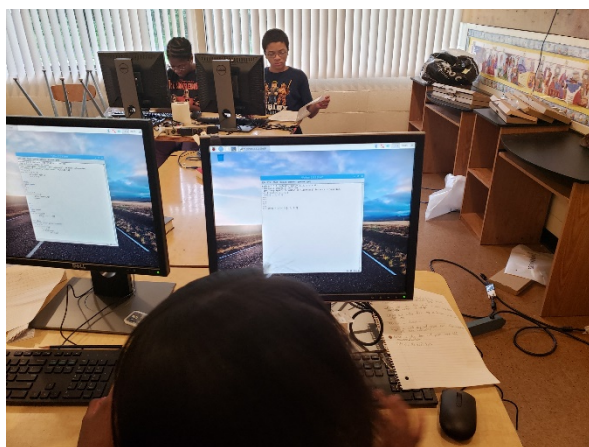


Kelly Wembley instructing the Python class.

It's summer and once again Computer Village is honored to partner with North County Churches Uniting / Toyota / Bodine Aluminum co-sponsored by John Knox Presbyterian Church and Computer Village in this Computer Training Academy. This summer's training is focused on grades 3 thru 10 covering the subject matter of computer hardware and software. The program takes place Wednesday thru Friday from June 12th thru July 5th.

An awards ceremony will be held on July 6th. The computer hardware/software students will receive the computer they trained on during the program, with all the peripherals included (monitor, mouse, keyboard and all cords and cables). The Python training session students will learn how to program using Raspberry Pie. Their incentive will be

learning to program their own digital power stick. The instructors for this outstanding learning opportunity are the father and son duo of Kelly (Dad) and Khalife Wembley. Kelly's a tenured instructor with Computer Village and has been with the program since its inception. Khalife is a 3rd year college student where he is studying computer programming (Python).



What is the use of Python in IOT?

Manohar Parakh, Internet Marketing

Answered Mar 27, 2018

My question is why do we need Python?

Why is python so important in the future of IoT? So I Googled my question and the answer site Quora had an answer, and to my surprise the answer was simple.

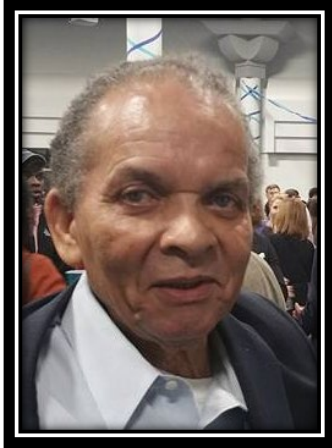


IoT occupies a place of importance in Wireless Sensor Networks, Data Analytics, Cyber Physical Systems, Big Data and Machine Learning. It is also very focused on real time analytics and processes. So, for the development of an IoT solution, one would need a programming language which spans these diverse fields, while being lightweight and scalable at the same time.

Python is another programming language frequently mentioned by developers. It is more flexible than C or Java, which have a lot of requirements and rules built up over the decades. Python has become a valuable resource for Web application developers, but some don't see it transitioning to IoT anytime soon. JavaScript is another popular Web application language, but developers see Python as superior for IoT projects, due to its support for embedded programming.

Python has gained a significant traction in the IoT development as well. Python is a good choice for data-intensive applications, especially when it comes to managing and organizing complex data.

Moreover, source code written in Python is compact and extremely readable thanks to the language's clean syntax. This works especially well with small devices that have limited computational power and memory, albeit not as fast as C/C++.



Computer Village
Executive Director - Don Holt

Don has been on the battle field for youth development and education for over 30 years. Retirement from Xerox only gave him more time for his passion. Don Holt is an “Unsung Hero” and advocate for youth, education and the black community.

“Don continues to stress the importance of IoT as a major component for the growth of young people associated with job stability and economic success in our community.”



Don Holt - Executive Director

E: don.holt-cv@att.net

E: cvillagestl@gmail.com

Home: 314-741-4854

Mobile: 314-537-0274

5404 Sun Trail Drive

Florissant MO 63136