

Samuel E. Young

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EDUCATION

Virginia Commonwealth University, Richmond, VA, December, 2018
B.S in Bioinformatics: concentration in Statistical
Minor:Mathematics
Minor:Computer Science
Northern Virginia Community College, Annandale, VA, May, 2014
A.S. in Biology

TECHINICAL SKILLS

Software: IntelliJ IDEA, Eclipse, VIM , Android Studio, FileZilla, LaTeX, Terminal, Excel, R-studio
Operating System: Linux (Ubuntu, CentOS, Arch, Fedora), Windows(XP, Vista, 7, 10)
Language proficient: Python, R ,Shell-script, SQL, Tex, Java
Exposures: C\++\#, Rust, Javascript, Nim, Golang

PROJECTS & ACTIVITIES

International Normalized Ratio Tester, Bitcamp,Collge Park,MD April 2016 - Present

- Currently designing and creating a user-friendly open source project, tabletop device to test blood coagulation levels in patients
- Building sensors for raspberry pi using infrared 700 nm light to measure the time it takes for blood to coagulate, then indicating whither a patients if the result is within of normal range or out

Cluster building with Linux-User-Group at VCU March 25 - April 29th , 2018

- Participated in a workshop to build a high performance computing cluster
- Topics include: DHCP, pxe booting, networking, nfs, Installation with Kickstart, and Administration

Decrpyt the Currency, RamHacks,Richmond,VA September 2017

- In a team of four, made a hack that would teach people how to use and buy crypto-currency responsible through the use of VR an Alexa as voice-activated teacher
- Implementation of niva on RHL(Red Hat Linux)7.2 on an linux mainframe as a teaching application of blockchain for the creation of finding possible fraudulent charges on cytpo-currency
- awarded open mainframe Crypto-currency and C^2 prizes for RamHacks 2017

"Political Climate Hack", VolHacks,Knockvilles,TN September 2016

- Created a hack with IBM-BlueMIX group member generate a list from possible pro or against words for Hilary Clinton and Donald trump
- Predicted polling from Twitter for the candidates with the use of data charts from Initial State

"Pebble Maze",BitCamp,College Park,MD April 2015

- Worked successfully as part of a team to create a Pebble Smart watch app in C
- Simulated a tabletop maze game by utilizing accelerometer in the watch, in addition to procedural generation mazes
- Awarded Best Pebble Hack at Bitcamp 2015

EXPERIENCE

Undergraduate Teacher Assistant, College of Engineering VCU August - Decemeber 2015

- Served as teacher assistant for Java programming course
- Provided educational support to a diverse group of approximately 50 undergraduate students, answering questions about programming and assignments to ensure student success

LEADERSHIP

Vice President, The Society of Bioinformatics October 2015 - Feburary 2016

- Elected to leadership position within The Society of Bioinformatics, serving as part of the elected board for group organization and event planning