

Samuel E. Young

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EDUCATION

Virginia Commonwealth University, Richmond, VA, Summer, 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 whether a patient's 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 and 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 cypto-currency
• awarded open mainframe Crypto-currency and C^2 prizes for RamHacks 2017
"Political Climate Hack", VolHacks, Knoxville, 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 - December 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 - February 2016
• Elected to leadership position within The Society of Bioinformatics, serving as part of the elected board for group organization and event planning