Samuel E. Young

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EDUCATION

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

TECHINCAL SKILLS

Software: Intellij IDEA, Eclipse, VIM , Android Studio, FileZilla, LaTex, Terminal, Excel
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

"Decrpyt the Currency", RamHacks,Richmond,VA September 2017 - Present

- In a team of four, made something that would teach people, how to use and buy responseable crypto-currency thorough VR in using Alexa as voice-activated teacher
- While implementing niva on RHL(Red Hat Linux)7.2 on an linux mainframe as a teaching implementation of a blockchain for the creation of finding possilbe fraudlent charges on cytptocurrency
- Won these subject at Ramhacks open-mainframe-Crypto-curreny, VR, and C^2

"International Normalized Ratio Tester (open-source)",Bitcamp,Collge Park,MD April 2016 - Present

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

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

- The hack was made with IBM-BlueMIX to generate a word list form keyterms
- Predicted polling from Twitter for the candidates with the use of data charts from Initial State

"Lazy Suzans",hackNC,Chapel Hill,NC October 2015 - Present

- In a team of four implemented a GPIO-pin token-ring with 3 separate raspberry pis where the group successfully sent signals to play telephone with the use of Python

"Medi-Calender",RAMhacks,Richmond,VA September 2015

- Worked as part of a 4 person team to design a calendar web application for medical personal
- Made use of password protection and IP blocking to ensure schedule was stored and accessed securely
- The group implemented in django a Python extension for a calender

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

- Successfully worked as part of a team to create a Pebble Smart watch app in C
- App simulated a tabletop maze game, utilizing accelerometer in the watch, in addition to procedural generation methods
- Completed app was 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

Officer & 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
- Designed and constructed useful webpage to advertise the Society and provide information to members