Samuel E. Young

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EDUCATION

Virginia Commonwealth University, Richmond, VA, December 2018
Bachelor of Science in Bioinformatics concentration in Statistical
Minor:Mathematics ,Computer Science
Northern Virginia Community College, Annanadale, VA, May 2014
Associate of Science 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, Tex, Java, Golang
Exposures: C\++\#, Rust, Javascript, Nim, SQL

PROJECTS & ACTIVITIES

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

- Designed an programming a user-friendly, tabletop device to test blood coagulation levels in patients
- Built for a raspberry pi using python with an array of infrared 700 nm light to measure the time it takes for blood to coagulate

Hundred Year Old Cell October 2015- Present

- Developed in C to be another alternative Operating System with its own kernel, that would act as a biological cell
- building it on a linux platform

Lazy Suzans HackNC,Chapel Hill,NC October 2015 - Present

- Planned a GPIO-pin token-ring with 3 separate raspberry pis where the group successfully sent signals to play telephone with the use of Python
- Developed the intitial calls for the raspberry pi GPIO pins as well initial scripts to makes calls for the wire to read and how the detect each other in python

Big-Radi1ator RamHacks, Richmond,VA September 2018

- Developed in python a way to save the animation to a mp4 format , a create base mathamatics to figure out on how the example would print
- Implemented to try and determine a wheither or not if heat off a sub-space super computer could be constantly radiating it own

Unity.xs March-April 2017

- Worked with given data set to try and create a website that would allow user to look up a locations for satelllite parts as well as the companies was doing using LAMP as a base for design

Medi-Calender RamHacks,Richmond,VA September 2015

- Implemented code for calling the physicans, how to add there data to the database
- Built a calender web app using django that would use password protection and IP blocking to ensure schedule was stored and accessed securely

Pebble Maze,BitCamp,College Park,MD April 2015

- Successfully worked as a manager on a team to create a Pebble Smart watch app in C
- Simulated a tabletop maze game, utilizing accelerometer in the watch, in addition to procedural generation methods

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

Awards

Best Pebble Hack

- Won for Pebble Maze at bitcamp 2015

open-mainframe-Crypto-curreny, VR, and C^2

- Won with decrpyt the currency at RamHack 2017