

Kenwood Harris Jr

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Education

BOSTON UNIVERSITY COLLEGE OF ENGINEERING | BOSTON MASSACHUSETTS

- Bachelor of Science Computer Engineering Expected May 2020
- Bachelor of Science Electrical Engineering Expected May 2020

ASSOCIATIONS AND CLUBS

- Society of Manufacturing Engineers (SME) – Secretary
- National Society of Black Engineers (NSBE)
- Institute of Electrical and Electronic Engineers (IEEE)

Technical Skills and Abilities

C, C++, Delphi, Assembly, Verilog, Embedded Systems/Linux, Javascript, Nodejs, Python, PCB Layout, EagleCAD, GIT

Experience

EMBEDDED SYSTEMS ENGINEERING INTERN | P&E MICROCOMPUTER SYSTEMS | MAY 2018 – PRESENT

- Detailed and in-depth development of ARM systems and debuggers. Worked independently to develop real-time ARM debugger utilities and software. Currently employed.

UNDERGRADUATE RESEARCH ASSISTANT | BU ELECTRICAL AND COMPUTER ENGINEERING | MAY 2017 -

- Work Focused on the development of Visible Light Communication (VLC), and Multimedia Communications. Worked to integrate IOT systems and servers, integrate testing equipment, and continue development for data accumulation for the school of public health. (SLURP) (MCL)

PYTHON TEACHING ASSISTANT | VIRGINIA STEAM ACADEMY | JULY 2017

- Taught young students introductory programming techniques, electrical systems, and robotics. Students were taught python, and basic OOP.

Selected Projects

ARM DEBUGGER EXTENSION | INTERNSHIP PROJECT | SUMMER 2018

- Debugger tool for ARM devices utilizing the GNU compiler. Tool captures entrance/system information at pivotal points of a process, allowing users to clearly debug applications in real time. Utilizes DWARF debugging standard. Tool written in C, ARM assembly, Delphi, and Java.

IOT SERVER | INDEPENDENT PROJECT | SUMMER 2017

- Local server designed to sync and regulate connected devices. Written in Node JS, the system allows devices to send Webhook and HTTP requests to update and sync data files. System was created to accumulate sensor data across various devices despite their architecture, by accepting JSON formatted data. Project on Github.

SELENIUM WEB SHOE BOT | GROUP PROJECT | FALL 2016

- Simple Web Automation software written to automate the purchase of Limited edition sneakers, and other fashion items. Streams twitter release accounts for purchase links and information, and quickly purchases items. Written in Python with the Selenium Web Driver.