Cedric Mendes

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| **Current Address:**  21 Eastman Lane  Amherst, Massachusetts 01003  Mobile: (617) 363-6611 | Permanent Address: 96 Train Street  Boston, Massachusetts 02122  Mobile: (617) 363-6611 |

**SUMMARY:** Computer Systems Engineer with experience in designing, analyzing, and testing robust and user orientated applications. Proficient with programming in Java and Python, and adept at designing, testing, and prototyping android apps.

**EDUCATION: University of Massachusetts Amherst, Amherst, Massachusetts**

**Bachelor of Science in Computer Systems Engineering**

**GPA 3.3/4.0 Expected graduation date: May 2019**

**COURSES:**

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| * Hardware Design | * Data Structures | * Discrete Math |
| * Circuit Analysis II | * Differential Equations | * ECE 297 Design Project |

**ACADEMIC PROJECTS:**

**Engineering Design Project Clothes Line Express August 2015**

* + Developed an Android app in Java with fellow teachers to suggest what users should wear depending on the weather
  + Presented at Maker Faire in New York City, resulting in over 60 active installs in an eight hour period
  + Implemented finite state design streamlining processes to ensure simple user interfacing and clean code
  + Participated in code design reviews, cost reduction meetings, and documented weekly development progress

**Introduction to Electrical and Computer Engineering** **Remote RC Car October 2015 – Jan 2016**

* Developed an application with C to communicate with ATmega328 that wirelessly controls car’s movement
* Designed a PCB using Schmitt trigger, piezoelectric sensors, IR sensors, and ATmega328, to detect dust on floor

## WORK EXPERIENCE:

**UTC Aerospace Systems, Windsor Locks, CT Manufacturing IT Intern May 2016 – Current**

* Coordinated with the IT manufacturing execution team to develop a web application for customer needs by utilizing bootstrap
* Maintained, delegated and resolved end user trouble tickets affecting the manufacturing applications
* Analyzed and gathered data from SAP Solumina test users to generate charts to emphasis test readiness
* Created and distributed standard work documentation to improve upon dependent business processes using SQL.

**South End Technology Center, Boston, MA Youth Teacher June 2011 – August 2015**

* Conducted youth lessons on programming with Scratch, Modkit, GIMP, Inkscape, 3D printing and fabrication
* Tutored 125 youth, ages 7-12, and fostered a safe environment in over 10 Boston youth organizations
* Successfully inspired 87% of community organizations to promote STEM in their communities and attracted local news coverage
* Inspired students to consider "STEM” as a career option by arranging lessons youth will comprehend

**Bottom Line, Boston, MA Front Desk Secretary** **Sept 2014 – May 2015**

* + Warmly welcomed and sorted 30 college bound students to their bottom line counselors for college preparation
  + Responded to student phone calls and delegated their requests to college advisors in a friendly manner

## COMMUNITY EXPERIENCE:

**First Night Boston, Boston, MA Volunteer** **January 2014**

* Managed a team of youth teachers to increase awareness of STEM opportunities by assisting them in designing electronic kites
* Maintained a pleasant and safe environment for over 26 children

**SKILLS**:

* Audacity, Arduino, GIMP, C, Microsoft Office, Java, Python, PostgreSQL, Cape Verdean Creole

## ACTIVITIES:

* + National Society of Black Engineers Executive Board Oct 2015 – Present
* Provost's Undergraduate Research Fellowship Scholarship Present
* Cape Verdean Culture Club Member Present
* Boston Athletic Association 5k Runner Aug 2015