**Denzel Ketter Curriculum vitae**

Email: [dketter1@umbc.edu](mailto:dketter1@umbc.edu) Portfolio: [github.com/zelmundo94](http://www.github.com/zelmundo94)

**Education**

University of Maryland – Baltimore County, Baltimore, MD Expected graduation: December 2018

B.S., Information Systems – Entrepreneurship Minor Major GPA: 3.1

**Related Courses:** - Calculus I - Mgmt. of Information Systems - Python Programming

- Finite Math - Human Computer Interaction - Java Programming (I & II)

- Statistics - Technical Writing - Java GUI Systems

Shippensburg University – Shippensburg, PA August 2012 – December 2013

Recipient of Frances M. Banks scholarship (2013)

**Technical Skills**

**Languages:** Python, C++, Java, Swift, Node, Ruby

**Design:** HTML5, CSS3, Javascript, jQuery, Django, React.js, Ember.js,

**Software:** Adobe Suite, Xcode, IntelliJ, Microsoft VS, Git, Sublime Text, OpenCV, Android Studio

**Areas:**  Human-Computer Interaction, Accessibility, Product Design, Web Development

**Work Experience/Projects**

**CIIGAR Labs** Raleigh, NC

*Computer Vision Research Intern (May 2017 – August 2017)*

* Implemented motion tracking detection into a crate training protocol for sheltered canines
* Tested the protocol successfully with nine dogs using OpenCV and augmented reality libraries

**Human Engineering Research Labs**  Pittsburgh, PA

*Assistive Technology Research Intern* (*May 2016 – July 2016)*

* Created AroundMe, a Bluetooth-low-energy enabled accessibility service for disabled users
* Used Android Studio, Estimote beacon devices, and third party libraries to create the app

**NASA Goddard Space Flight Center**  Greenbelt, MD

*Software Development Intern (May 2015 – August 2015)*

* Created PROS, a user-friendly web service that assigned organizational roles to employees at NASA
* Updated PaST, a web application that tracked all NASA property using an identification number

**MyoPass** Baltimore, MD

*2014 UMBC Hackathon Participant* (*September 2014 – October 2014)*

* Worked on hacking a gestural device named the MyoBand to input characters into empty text fields.
* Used key logging data and Lua, a subset language of C, to create the hack

**PUBLICATIONS**

Carrington, P., Ketter, D., and Hurst, A. (2017) Understanding Fatigue and Stamina Management

Opportunities and Challenges in Wheelchair Basketball. Proceedings of ACM SIGACCESS Conference

on Computers and Accessibility (ASSETS 2017). ACM.

**Leadership Activities**

* Senator and Program Chair Emeritus on the National Society of Black Engineers executive board
* DJ Manager of WMBC radio where I handle technical equipment, manage campus DJs, and perform
* Led a team in CodePath program where I designed iOS apps weekly and hosted them on Github repos
* Working with AIM, an academic mentorship organization for middle school-aged kids that are at risk