

## Michael Darden

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### EDUCATION

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#### Bachelor of Science, Electrical and Computer, May 2018

The University of Texas at Austin

GPA: 3.74/4.00

#### Related Courses

Embedded Systems, Software Design and Implementation (I & II), Circuit Theory, Linear Systems & Signals, Algorithms

### WORK EXPERIENCE

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**Student Technician, UT Applied Research Laboratories** 06/16 – 08/16

- Setup *GitLab Continuous Integration* (CI)
- Wrote scripts in *Bash* to facilitate CI testing

### ACADEMIC EXPERIENCE

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**Software Design project, The University of Texas at Austin** 06/16 – 08/16

- Created a graphical critter simulator using *Java*
- Learned how to use java Reflection and *JavaFX* libraries as well as *Scene Builder*

**Embedded Systems Project, The University of Texas at Austin** 04/15 – 05/15

- Created a “tag” video game on the *TM4C123 microcontroller* using *C* and *ARM assembly language*
- Placed in “supreme” category

**Robotathon 2015, UT Robotics and Automation Society** 10/15 – 11/15

- Created a robot car to play RAS-ball
- Programmed in *VIM*
- Came in 4<sup>th</sup> place

**Robot Car Project, The University of Texas at Austin** 10/14 – 12/14

- Programmed in *Labview* and built breadboard circuits
- Interfaced photoresistors and IR sensors

### PERSONAL PROJECTS

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**Personal Server** 08/16

- Setup a Proxmox server to host chat, game, and web servers
- Setup Linux containers, VMs, and SSH with RSA encryption

**HackTX 2015, The University of Texas at Austin** 09/15

- Created a static website using *HTML/CSS*
- Worked with *GitHub*

## Arduino Projects

- Created a *5V DC power supply* 12/15
- Created a Bike-Wheel Display using *Image Processing* 02/16

## SKILLS

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Experience with *Git, Java, C, C++, Bash scripting, MATLAB, Assembly language, and Labview*

Proficient in *Windows, OS X, and Linux*

Experience with *GIMP* and *Photoshop*

Experience with *soldering* and breadboard-circuits

Experience with *Arduino* and *Launchpad microprocessors*

Experience with *HTML/CSS* web-design using *Bootstrap*

Familiar with *Spanish* and *Portuguese*

## ACCOMPLISHMENTS

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*Administrative Vice President* for *Texas Tricking*, Fall 2016

*UT Social Dance Class Assistant*, Fall 2016

Volunteer: English teacher in Peru, 2014

Volunteer: Veterinary assistant at Cape Town SPCA, 2013

*Drumline Lieutenant*, Outstanding Leadership Award, 2012-2013

*Eagle Scout*, 2009