

# Antonio Woods

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## Education

### University of Illinois at Urbana-Champaign

May 2017

*Bachelor of Science, Computer Engineering*

#### Relevant Coursework:

Computer Security	Computer Systems Engineering
Computer Organization and Design	Distributed Systems
Algorithms and Models of Computation	Logical Synthesis and Verification
Applied Machine Learning/AI	Digital/Analog Signal Processing

- Placed 1st out of over 1,000 Teams in ShellIdeas360 2016 (an international engineering competition)
- Placed 4th out of 50 teams in operating system design competition for Computer Systems Engineering course.

## Experience

### Carolinas Healthcare - Charlotte, NC

Summer 2017

#### Mobile Developer

- ❖ Am using .NET framework to develop Alexa app to interface patients with hospital data.

### Armor Security, Inc. - Richardson, TX

#### Golang Developer

- ❖ Developed from front to back a web app for assigning, monitoring, and refreshing development environments.
- ❖ Wrote several server endpoints in golang to facilitate various internal tasks.
- ❖ Made improvements to legacy build/deployment processes (bash). Gained experience with Bamboo/Octopus.

### UIUC Mechanical Engineering department - Champaign, IL

#### Research Assistant

Aug 2015 - Dec 2015

- ❖ Wrote and maintained Arduino code for collecting data.
- ❖ Worked on the repair of electrical systems on quadcopters.
- ❖ Piloted drones and processed data gathered by onboard sensors.

### Tech Zone - Urbana, IL

#### Technician

Aug 2013 - Dec 2015

- ❖ Worked as a computer technician where I diagnosed/repairs computers

### Christus Healthcare - Dallas, TX

#### Business Intelligence Intern

June 2014 - Aug 2014

- ❖ Worked in database querying and visualization.

## Technical Skills

### Major programming experience

- ❖ Java
- ❖ Golang
- ❖ C
- ❖ SystemVerilog
- ❖ Python

### Minor programming experience

- ❖ C++
  - Experience using SFML graphics library
- ❖ x86 assembly
- ❖ Javascript/html
  - Experience using Semantic-UI framework
- ❖ C#
  - Minor experience with .NET framework

I am confident in both windows and \*nix systems, although I am partial towards bash/zsh command lines.

## Extracurricular

- ❖ **SigPony:** A cyber security club dedicated to finding, fixing, and exploiting software vulnerabilities.
- ❖ **Game Development:** An ongoing hobby. This is what got me interested in computer science.
- ❖ **Play Guitar/Piano:** I love music.