

# NATHAN WANG

Austin, TX 78753 | (205) 218-4877 | nathan.wang2@gmail.com | github.com/NathanWang2 | www.nathanwang.info

---

## EDUCATION

### Bachelor of Science in Electrical Engineering

May 2017

Mississippi State University, Starkville, MS. GPA 3.33/4.00.

## SKILLS

- **Proficient:** C++, Python, Angular.js, MongoDB, HTML, CSS, Mongoose, REST APIs, Git, Xamarin Framework
- **Beginner:** JavaScript, Node.js, C#, MySQL, Android Development, AXML, SQLite, Assembly, MATLAB, and LabVIEW
- **Programs:** Solid Edge, QuickBase, and Microsoft Products

## RELEVANT PROJECTS

### Hotel Search and Review (Based on a Udemy Course)

May 2017 – June 2017

- Full stack web application for searching and reviewing hotels using MongoDB, Node.js, Express, and Angular.js

### To-Do List

Jan. 2017 – Apr. 2017

- Simplistic UI mock up for a to-do list web application using Angular.js and Bootstrap

### Senior Design Project

Aug. 2016 – May 2017

- Developed mobile application for Android using MySQL, C#, and Xamarin Studios for senior design project to communicate with a database
- Wrote Python code for a Raspberry Pi to communicate with a MySQL database
- Created a static website to display project details, introduce team members, and list documentation

### Visual Guidance for Micro Air Vehicle (MAV) Project

Aug. 2015 – Dec. 2015

- Led a team to create a self-adjusting quadcopter drone that adjusts via distance by calculating the area of a user-specified color using Python and Robot Operating System (ROS)

## RELEVANT CLASSES

- Data Structures and Algorithms (C++)
- Visual Guidance for MAV (Python & ROS)
- Udemy course for full stack JavaScript framework web development

## PROFESSIONAL EXPERIENCE

### Southern Nuclear Company, Waynesboro, GA

#### Systems Engineering Co-op

May 2016 – July 2016

- Drafted a procedure to direct personnel requirements to approve building handover process
- Coordinated meetings for the initial building handover process
- Updated a group consisting of 5 subject matter experts on any scheduling conflicts in construction

#### Cyber Security Co-op

Jan. 2016 – May 2016

- Assisted in a procedure change within a cyber security field of study
- Developed, maintained, and became point of contact in a team of 5 for all QuickBase activities and forms

#### Cyber Security Co-op

May 2015 – Aug. 2015

- Cross-referenced cyber security plan with Regulation 5.71 and NEI 08-09 to ensure appropriate regulations were followed
- Created a manufacture information list of over 60 components for Critical Digital Assets

### Mississippi State University, Mississippi State, MS

Aug. 2015 – Dec. 2015

#### Tutor for Calculus and Electrical and Computer Engineering (ECE) Courses

- Explained concepts in Calculus and ECE courses to students using various approaches
- Interacted with students from various majors to ensure the course material was learned thoroughly

## HONORS AND ACTIVITIES

- Capture the Flag Club (Computer Security Competition) Sept. 2016 – May 2017
- ECE Mentor Sept. 2016 – May 2017