

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, Flask, React, MongoDB, HTML, CSS, JavaScript, MySQL, Mongoose, REST APIs, Git, Xamarin Framework
- **Beginner:** Node.js, C#, Android Development, AXML, SQLite, Assembly, MATLAB, and LabVIEW

RELEVANT PROJECTS

Restaurant Roulette

July 2017 - Present

- Creating a web application that will select a random restaurant to go to in a user specified location
- Technologies used: Python Flask backend, React frontend, SQLAlchemy database

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