

NATHAN WANG

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EDUCATION

Bachelor of Science in Electrical Engineering

May 2017

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

SKILLS

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

PROFESSIONAL EXPERIENCE

Tautologic

Austin, TX

Contract Junior Developer

Aug. 2017 – Sept. 2017

- Created a web form using React for an event planning application
- Developed Python Flask REST API with a test-driven approach using pytest

RELEVANT PROJECTS

Restaurant Roulette

July 2017 - Present

- Creating a web application that will pick a random restaurant in a user specified location
- Technologies used: Python Flask backend, React.js frontend, Node.js, 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

SUPPLEMENTAL 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