Zachary Taylor

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EXPERIENCE

ADTRAN | Advanced Development Intern
May 2018 – Aug 2018 | Huntsville, AL

- Developed a cloud-based solution to automate and enhance the engineering process for network installation using AWS and Python.
- Worked with other teams to create a system to collect and visualize telemetry data of network elements in real time using AWS, Python, and DOMO.
- Consulted with other teams to jump start cloud-technology adoption and solutions throughout the company.
- Contributed to initial planning for optics-alignment system utilizing AWS, reinforcement learning, and an IoT architecture.

EXXONMOBIL IT | Intern
Feb 2017 – Nov 2017 | The Woodlands, TX

- Coordinated with multiple departments to lead a software product evaluation resulting in a fit-for-purpose verdict and provided a recommendation on moving forward.
- Organized meetings with the vendor to receive in-depth product information and answers to cross-departmental questions.
- Participated on the Web Development Taskforce to provide AngularJS sites to internal customers.
- Participated in an internal CodeJam to prototype a blockchain application for managing a model supply-chain.
- Worked with a team to plan executive visit and team-building exercise for 200 employees.

MISSISSIPPI STATE UNIVERSITY ITS | Assistant Support Specialist
Aug 2015 – Oct 2016 | Mississippi State, MS

- Interacted with clients to assess their problems and implement a solution in an efficient, friendly manner.
- Prepared workstations and laptops for future use by company employees.
- Created scripts to automate common tasks and increase productivity.

PROJECTS

STATE SPACE ROBOTICS TEAM | Path-Planning Lead
Jan 2018 – Present | Mississippi State, MS

- Spearhead the development effort for the path-planning functionality of a team of three robots.
- ROS provides movement servers and the planning is being implemented in Python to allow for fully-autonomous operation.

CHIT CHAT | Class Project for Distributed Client-Server Programming
Jan 2018 – May 2018 | Mississippi State, MS

- Lead the development of Chit Chat, an anonymous chat application created as a class project.
- Chit Chat provides real-time communication while utilizing a PHP backend and AngularJS frontend.

EDUCATION

MISSISSIPPI STATE UNIVERSITY
Bachelor of Science in Computer Science with minors in Mathematics and Statistics
Expected Dec 2019 | Starkville, MS
Dean's List (All Semesters)
Cum. GPA: 4.0 / 4.0

SKILLS

PROGRAMMING
3+ years:
Python • C/C++
1+ years:
PHP • JavaScript
0+ years:
Matlab • R • SAS

TECHNOLOGY
Git/Github • AWS • Linux
UNIX • Windows • ROS
Artificial Intelligence • Automation

COURSEWORK

GRADUATE
Analysis of Algorithms

UNDERGRADUATE
Artificial Intelligence
(Teaching Assistant)
AI Robotics
Operating Systems I
Calculus I-IV
Data Analysis I
Introduction to Probability

SOCIETIES

Association for Computing Machinery (ACM)
Scrum Alliance Certified ScrumMaster
Shackouls Honors College
National Merit Scholarship Finalist

LINKS

Github:// **ZDTaylor**
LinkedIn:// **zacharydtaylor1**
Career Center:// **zachary.taylor3**