
Alexander Haastrup

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EDUCATION

The University of Southern Mississippi, Hattiesburg, MS.
Expected: **May 2022**.

Major: **Computer Engineering**.
Minor: **Computer Science**.

HONORS AND AWARDS

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|---|----------------|
| • President's List | Spring 2019/20 |
| • Dean's List | Fall 2018/19 |
| • Georgie & Paul McMullan Scholarship Endowment | May 2019 |
| • Celebration of Scholastic Excellence Award | April 2019 |
| • Finalist, Most Outstanding Freshman of the Year 2018/19 | April 2019 |

WORKFORCE DEVELOPMENT

NASA Proposal Writing and Evaluation Experience (NPWEE).

May 2020-Present

Virtual Academy Student

- Work with a team of students to develop an official NASA proposal for a New Technology Report based on NASA Taxonomies.
- Gain experience in the process of writing, reviewing, and scoring proposals through mentoring sessions by NASA reviewers.
- Compose an NTR proposal to explore lunar surface and subsurface using an advanced robotic drill with environmental sensors.

NASA L'SPACE Mission Concept Academy.

January 2020-May 2020

Project Controls Analyst/Document Controller/Virtual Academy student

- Developed a lunar mission concept to investigate the resource potential of, and characterize polar water ice on the moon.
- Designed a form factor lunar lander payload to deploy and successfully land a payload on Shackleton Crater using a budget of \$35M and a mass constraint of 10 kilograms.
- Redacted and performed a Preliminary Design Review.

AT&T Summer Learning Academy Externship, Virtual Academy.

June 2020

Participant

Chick-fil-A Aspire Leadership Conference, Atlanta, GA.

June 2019

Participant

PROFESSIONAL EXPERIENCE

The University of Southern Mississippi, Cook Library, Hattiesburg, MS.

June 2019-Present

Student Library Assistant

- Solve system and database inquiries weekly from 80+ patrons needing front-desk aid and information efficiently.
- Manage monetary transactions at the register, ensuring 100% fiscal accuracy.
- Implemented strong analytical and conflict resolution skills to identify, track, resolve, and report any issues promptly.

Aramark Food Services, Hattiesburg, MS.

September 2018-Present

Frontline Associate

- Improve guest satisfaction rates by identifying and anticipating the needs of 60+ guests daily through effective communication.
- Oversee the training of new student employees to increase workplace productivity and prevent accidents.
- Execute closing activities and maintain workplace cleanliness in a diligently and systematically.

SKILLS

- **Soft Skills:** Critical Thinking & Problem-Solving, Communication, Leadership & Teamwork, Detail-Oriented, Self-Motivated..
- **Technical & Computer Skills:** Proposal Writing, FMEA & Risk Mitigation, Basics of C++, Object Oriented Programming, MATLAB, MS Office, ExLibris Alma, Windows OS.
- **Multilingual** (English, Yoruba, and Creole-based Pidgin)

ACTIVITIES & INVOLVEMENTS

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| • USM Eco-Ambassador. | • USM Wesley Foundation, <i>Lead Team Member</i> . |
| • USM Eagle's Nest Food Pantry, <i>Volunteer</i> | • USM Men's Soccer Club, <i>Team member</i> . |