MORGAN TAYLOR

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Technical Ownership | Analytical Aptitude | Customer-Focused Solutions

ELECTROPHYSICS ENGINEER

Highly motivated, proactive college graduate with an emphasis in computer science, physics, and mathematics that is eager to work and learn in a technical environment. Substantial knowledge of data analysis, technical support and solutions, and relationship management tactics. An organized professional with exceptional follow-through abilities; able to plan and oversee projects from concept to successful conclusion. Ample background in scientific methodologies with the ability to apply them to a range of situations. Work well under pressure and demonstrate a high level of competence in sensitive environments.

EDUCATION & TRAINING

Bachelor of Arts; Physics & Mathematics; Emphasis in Computer Science

LEWIS & CLARK COLLEGE, Portland, OR, 2020

Specialized Coursework: AI & Machine Learning ◦ Software Development ◦ Database Systems ◦ Computer Graphics
Computer Architecture & Assembly ◦ Partial Differential Equations ◦ Linear Models ◦ Real Analysis ◦ Linear Algebra
Discrete Mathematics ◦ Quantum Mechanics ◦ Thermodynamics & Statistical Mechanics ◦ Advanced Electricity
Magnetism ◦ Theoretical Dynamics ◦ Advanced Lab

CORE COMPETENCIES & SKILLS

- New Components & Algorithms
- Technical Ownership & Leadership
- Analysis, Design, & Problem Solving
- Technical Support

- Project Management
- Software Development Methodologies
- Innovation Planning
- Cross-Functional Collaboration

PROFESSIONAL EXPERIENCE

Lewis & Clark College | Portland, OR   August 2018 – May 2020
RESIDENT ADVISOR

Managed the full scope of administrative and management responsibilities for 30+ student residents in a high stress environment. Implemented first-hand managerial and supervision support to provide a safe, supportive, and predictable environment for students. Strategically supported the scheduling and estimation of tasks with team members to ensure optimal organization and resident-focused solutions.

<u>Key Accomplishments</u>

- **Proactively partnered with team members** to assess ways team learning can meaningfully contribute to the achievement of business goals. Analyzed performance needs, diagnosed their root causes, and recommended programmatic solutions.
- **Nurtured and maintained authentic resident relationships**, utilizing business acumen and solution-driven nature to initiate, develop, and implement crisis management when necessary.
- **Implemented organic relationship management strategies**, results-driven leadership tactics, and an unparalleled dedication to developing/executing efficient process improvement plans.
- **Operated as a catalyst and critical thought leader**, strategically sparking innovative thought to solve resident challenges, ensure protocol, and provide the highest level of service.
- **Leveraged a natural ability to collaborate cross-functionally**, intentionally integrating practices, ensuring resident needs are met, and improving productivity of administrative operations

Lewis & Clark College | Portland, OR   January 2018 – May 2020
PHYSICS LAB TEACHER ASSISTANT

Supported the physics curriculum and implemented administrative solutions to assist in the set-up of experiments and grading lab reports. Integrated technical support and answered conceptual questions to ensure accuracy of experiments.

Key Accomplishments

- **Rigorously analyze KPIs** (key performance indicators) and student analytics to forecast trends, performance, and metrics to increase performance and student engagement.
- **Supported the delivery of innovative and strategic instruction** to motivated learners and tailored teaching strategies designed to address each student's learning style and ability.
- **Demonstrated detail-oriented and analytical skills** through continuously tracking and measuring academic results to meet, exceed, and reinforce academic goals.

Lewis & Clark College | Portland, OR   August 2017 – May 2018
IT SERVICE DESK TECHNICIAN

Spearheaded first and second line technical support to internal staff to ensure technology efficiency in the classroom. Demonstrated a strong aptitude for critical thinking working with applications/systems, and diagnosis and resolution of staff needs, ranging from straightforward to more complicated technical issues. Strategically analyzed technical requirements, resolved problems, and cultivated authentic working relationships to maintain technical support.

TECHNICAL SKILLS

Computer Languages & Operating Systems: Python, C, C++, Unix, Java, SQL, R, Javascript, HTML, Assembly(x86-64)

Tools: Git, Vim, UNIX, Keras/TensorFlow, JUnit and Python Testing, Docker, LaTex, Jupyter, Matplotlib

Concepts: Object Oriented Programming, Agile & Extreme Programming, Relational Databases

Engineering Expertise: Shop, 3D AutoCAD Drafting, Prototyping, Robotics Coding & Design, Circuitry