

S.J. MYERS

CONTACT

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EDUCATION

UNIVERSITY OF OKLAHOMA

GPA: 3.4

Norman, OK

B.S. Computer Science, May 2021

Relevant Coursework

Machine Learning (Python)
Artificial Intelligence (Python)
Operating Systems (C)
Data Structures (C++)
Linear Algebra
Applies Statistical Methods

Awards & Honors

National Merit Scholar
Tomorrow's Engineer Scholar
Dean's List (7 semesters)

Extracurricular Activities

OU Symbiotic Laboratory,
Undergraduate Research Assistant,
Present
Hacklahoma Hackathon,
Participant, 2018 and 2019
AI/ML at OU Symposium,
Volunteer, 2018

PROFESSIONAL EXPERIENCE

Data Science Intern

NASA Jet Propulsion Laboratory, Pasadena, CA

Sep 2019 – Present

May 2019 – Aug 2019

- Project title: Operational Recommendations for Capturing History and Infusing Data Science (ORCHIDS)
- Software development in **Python** of a pipeline to process large scale raw data from across spacecraft missions into temporally aligned analysis-ready data
- Determined and implemented algorithm improvements that decreased computation time and virtual memory usage to exponential degrees
- Second half of internship: **Machine learning research** applied to data processed by ORCHIDS to find knowledge and relationships across spacecraft mission data sources (Scikit-Learn)
- Versional control using GitHub and command-line **git**

Software Developer Intern

Power Costs, Inc., Norman, OK

Jan 2019 – May 2019

- Developed new features, improvements, and implemented bug fixes in a large existing codebase in **Java**
- Developed scripts to automate large scale data migration between **SQL** databases in **Python**
- Version control using GitHub and **Gerrit**

Software Developer Intern

OU Information Technology, Norman, OK

May 2018 – Aug 2018

- Web application development in C#, JavaScript, HTML, and CSS using ASP.NET Core in Visual Studio
- Improved backend efficiency by caching data on a **SQL** server
- Version control using GitHub and command-line **git**