S. JEAN FEESER

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EDUCATION

Bachelor of Science | *Astronomy (Honors) and Physics*   GPA: 3.62
University of Texas at Austin   May 2021

WORK EXPERIENCE

High School Science Teacher   January 2022 – present
Stephen F. Austin High School   Austin, TX
- Plans and implements inquiry-based science curriculum (Biology and Advanced Biology, grade 9; Chemistry and Advanced Chemistry, grade 10) with an emphasis on design thinking and Maker education.
- Attends weekly professional learning committee meetings to create student enrichment activities.
- Organizes and directs a group of 10 teachers as academy team lead.
- Supervises extracurricular student clubs, including academy-specific Student Council and Women in STEM.

High School Biology Teacher   July 2021 – January 2022
KIPP Austin Brave   Austin, TX
- Planned and implemented inquiry-based science curriculum (Honors Biology, grade 11)
- Attended weekly professional development to improve instructional and classroom management skills
- Advised and supports 9th grade group in academic and socio-emotional needs

Academic Coach   May 2018 – May 2023
GradePower Learning   Austin, TX
- Provided academic support for K-12 students in a small group setting (1-3 students)
- Supported students with cognitive and physical learning disabilities
- Trained new coaches on proper practices and teaching pedagogy

PUBLICATIONS AND PRESENTATIONS

- Feeser, S. Jean, Best, William M. J., et al. (2022). *Updated Spectral Type Polynomials for Ultracool Dwarfs with CatWISE Photometry*. Research Notes of the American Astronomical Society. 6(12), 265.

- Feeser, S. Jean, & Best, William M. J. (2022). *Using old and new approaches: determining physical properties of brown dwarfs with empirical relations and machine learning models*. Monthly Notices of the Royal Astronomical Society. 513(1), 516-535.

- Feeser, S. Jean, & Best, William M. J. (2021). *Using Old and New Approaches: Determining Luminosities of Brown Dwarfs with Spectral Type Polynomials and Machine Learning*. American Astronomical Society meeting #237, id. 333.02.

HONORS AND AWARDS

Aspire Award for Research Excellence   Apr 2021
Award for undergraduate work in research, service and leadership, and community engagement

AISD Future Teacher Scholarship   Sep 2019
Merit based scholarship for students pursuing a career in STEM education

Robert Noyce Scholarship   Apr 2019
Merit based grant for students pursuing a career in STEM education

Amanda Howze Amsler Endowed Presidential Scholarship   Sep 2019
Merit based scholarship for students pursuing a career in science and mathematics education

Charles Butt Scholarship for Aspiring Teachers
Apr 2018

Merit based scholarship program to support students committed to pursuing a career in education

Jane Sanford Beasley Scholarship
Oct 2017

Merit based scholarship for aspiring teachers

Kodosky Foundation Scholarship
Sep 2017

Merit based scholarship for physics majors pursuing a teaching certification

Segal AmeriCorps Education
Aug 2017

Award for completing a term of service in an AmeriCorps program

INTERNSHIPS AND FELLOWSHIPS

MakerSpace Intern
Sep 2019 – May 2020; Sep 2020 – Dec 2020

Ann Richards School for Young Women Leaders
Austin, TX

- Assisted in the MakerSpace, supporting students in Maker education activities and projects
- Supervised the use of specialized tools and equipment
- Taught and enforced safe practices in the MakerSpace

Assistant Teacher
May – Jun 2019

Design Connect Create
Austin, TX

- Co-instructed with and supported a lead teacher for grades 9-12 female students
- Promoted women involvement in STEM fields
- Participated in program development and educational training

Science Department Intern
Jan – May 2019

Crockett High School
Austin, TX

- Assisted the science department composed of 10 experienced high school science teachers
- Helped with grading, class instruction, and tutored small groups of students
- Facilitated lab preparation and setup of class activities

Assistant Teacher
May – Jul 2018

UTeach Outreach
Austin, TX

- Co-instructed with and supported a lead teacher for grades 8-9 students
- Revised the science curriculum and wrote lesson plans to be used for future programs
- Participated in program development and educational training

Lead Teacher
May – Aug 2017

Breakthrough Central Texas Fellowship
Austin, TX

- Instructed up to 15 grade 7-8 students
- Head of the science department, supervised lesson planning that followed the program's guidelines
- Lead an extra-curricular committee that organized activities and events for students

VOLUNTEER AND COMMUNITY SERVICE

Explore UT with UTeach Maker
Feb 2020

Designed Maker activities and workshops for campus visitors
Austin, TX

Museum Day with MathHappens
Sep 2019

Leader of educational activities in mathematics designed for children
Austin, TX

Austin Maker Faire with UTeach Maker
May 2019

Presenter addressing educators about Maker lessons in science and mathematics
Austin, TX

"College 101" Presentation Day
Nov 2017

Speaker addressing high school students about science and higher education
Austin, TX

Part-time AmeriCorps Member
May – Aug 2017

Served high-needs students in the local Austin community
Austin, TX

McDonald Observatory Volunteer
Jul – Aug 2015; Apr 2016

Telescope operator, tour guide assistant, and Visitor Information Desk attendant
Fort Davis, TX

Skills

Languages: English (Native), Spanish (Intermediate)
Education: Lesson Planning, Classroom Management, Curriculum Development, Student Assessment, Project Based Instruction, Maker Education, IEP Documentation and 504 Plan
Programming/Software: Python, MATLAB, Mathematica, C++, LaTeX, CAD
Other: Microsoft Office, Google Drive, Zoom, web design, written and oral communication

References

References available upon request