
AUSTIN OKRAY
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EDUCATION

University of Wyoming

Laramie, WY

Seeking Bachelors of Sciences in Computer Science with Minors in Statistics and Mathematics

Anticipated Graduation Date: Spring 2020

WORK EXPERIENCE

University of Wyoming Computer Science Department

Laramie, WY

Undergraduate Research Assistant

May 2018 – Present

Researching social bias reduction in machine learning models. Research topics include feature selection for bias reduction and base vector selection in kernel regression for bias reduction. Read academic papers to expand my working knowledge in relevant fields and topics. Implemented algorithms from academic papers and previously established methods. Gave presentations on academic papers, progress, and newly researched algorithms.

University of Wyoming Information Technology

Laramie, WY

Database Developer

May 2017 – Present

Specializing in creating and editing SQL and PL/SQL files on an Oracle database. Utilized Groovy, Java, Javascript, and HTML to implement various projects. Maintained healthy code structure with Git at both organization level and small team settings. Worked extensively with third-party (Ellucian) software, documentation, and support tickets to resolve internal University of Wyoming problems. Cooperated frequently with clients to determine and fix problems, and to test solutions.

MEMBERSHIP

- Undergraduate Research Assistant in the University of Wyoming Machine Learning Group
- Member of Data Science Club
- Member of the Defense Against the Dark Arts (Cybersecurity Club)

SKILLS AND ACHIEVEMENTS

- Proficient in Python, SQL, and PL/SQL, Git, Javascript, HTML, and LaTeX.
- Knowledgeable in several Python libraries, including scikit-learn, NumPy, and Matplotlib
- Adept at implementing algorithms from scratch, notably machine learning algorithms
- Attended the Educational Data Mining 2018 conference in Buffalo, New York

RELEVANT COURSES

- COSC 4555: Machine Learning
- COSC 4550: Introduction to Artificial Intelligence
- MATH 4500: Matrix Theory
- STAT 3050: Statistical Methods - General

REFERENCES

- Available upon request.