CORRIN FOSMIRE

Data Scientist

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Corrin Fosmire

WHO AM I?

I'm an undergraduate at Rice University, studying Computer Science with a focus on Machine Learning and Artificial Intelligence and English. I also teach data science extensively, as a teaching assistant for various classes and on my personal website at http://shadyweb.site/shiny.

COURSEWORK

- Statistical Machine Learning
- Artificial Intelligence
- Linear Regression
- Statistical Modeling for Data Science
- Honors Linear Algebra
- Advanced Algorithms
- Parallel Programming
- Computer Systems

EMPLOYMENT

2019 - Present — **Data Science Student Lecturer** — Rice University
- Teach and develop data science classes as part of Rice's Fondren Library short course series
- Subjects: R, Data Visualization and Data Manipulation, Time Series, Shell Scripting, TensorFlow, and GitHub

```
R  /  Python  /  React
```

Jan – May 2019 — **Introduction to Algorithms Autograding Team and Teaching Assistant** — Rice University
- Write and extensively test code to automate verification of students' algorithms to streamline grading
- Hold open office hours to answer algorithmic, mathematical, and programming questions

```
Python
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2017 – 2019 — **User Experience Student Assistant** — Rice University
- Investigate how users interact with physical objects and software by conducting surveys
- Develop Android application to enhance location-specific experiences in Fondren Library

```
Python  /  R  /  Android
```

ACTIVITES

2018 – Present — **Automated Music Director** — KTRU Rice Radio
- Write scripts to automate repetitive and error-prone tasks and reduce unnecessary human labor
- Lead a team of coworkers to perform database maintenance on the music collection
- Attend weekly board meetings to ensure compliance with Federal Communications laws

```
Python  /  Databases
```

2017 – 2018 — **Team OwlCoin: Lead Programmer** — Oshman Engineering Design Kitchen
- Design an educational cryptocurrency ining device for distribution to high schools and universities across the country
- Author in-depth technical memos to communicate design details to sponsors and clients
- Programming a Raspberry Pi to display update a user's cryptocurrency balance to an LCD screen

```
Python  /  Linux  /  Shell
```

EDUCATION

2017 – 2021 — **Bachelor's Degree (Anticipated)** — Rice University
Bachelor's of Science in Computer Science
Bachelor's of Arts in English

LANGUAGES

English - native
French - fluent

HOBBIES

I love listening to music, DJing, casual gaming, and cooking weird Asian-inspired meals.

SKILLS

- Python
- Java
- React
- R
- Linux
- Haskell