

# Ryan McArdle



Atlanta, GA | 770-349-5971 | ryan.t.mcardle@gmail.com | ryantmcardle.com

## EXPERIENCE

### **Hi-Rez Studios, Inc., Alpharetta, GA** *Machine Learning Engineer*

May 2021 - PRESENT

- Designing, developing, and maintaining live machine learning solutions through their full lifecycle
- Leveraging emerging technologies and creating custom models to solve specialized stakeholder problems
- Utilizing cloud based infrastructure and databases to deploy models at scale
- Solving problems in domains ranging from 3D modeling and art to marketing and monetization through collaboration with subject matter experts
- Working in depth with classification, clustering, regression, pattern recognition, natural language processing, and other statistical and machine learning methods
- Demonstrating leadership in project management and establishing cross-division relationships
- Managing and mentoring interns from beginning to end of their tenure
- Notable projects: Automated Model Rigging, Player Journey/Churn Analysis, Community Summarization, Item Build Recommendation, Paid Media Mixed Modeling

### **The University of Georgia Department of Physics and Astronomy, Athens, GA** *Laboratory Technician II*

August 2018 - May 2021

- Managed labs and maintained equipment for undergraduate instructional lab courses
- Scheduled setup and breakdown of lab equipment to ensure smooth instructional transition
- Improved curriculum pacing by developing additional experiments to bridge instructional gaps
- Converted lab assignments for remote instruction in response to COVID-19 by identifying, modifying, and deploying JavaScript simulations as HTML to replace physical experiments

### *Research Assistant*

June 2018 - August 2018

- Software-development research position with Dr. P. Stancil's computational astrochemistry lab
- Expanded a model of Big Bang chemical processes to include the Reionization period by introducing spatial dimensions and radiation formed by Population III stars
- Undergraduate member with the lab beginning Spring 2016

## EDUCATION

### **The University of Georgia, Athens, GA** *Master of Science, Artificial Intelligence*

August 2019 - May 2021

### *Bachelor of Science, Physics* *Bachelor of Arts, Philosophy*

August 2013 - May 2018

## SKILLS

Python, SQL, Java  
Scikit, Pandas, Scipy  
PyTorch Lightning  
CUDA Acceleration  
SageMaker and Azure AI/ML  
Git and P4 Version Control  
Agile/Scrum Project Management  
Linux, LaTeX, Fortran