

# Royer Ramirez Ruiz

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## EDUCATION

<b>B.S. in Applied Mathematics, Minor in Physics</b>	<b>University of Central Arkansas</b>	<b>Fall 2013 – Fall 2017</b>
<ul style="list-style-type: none"><li>Math Electives:<ul style="list-style-type: none"><li>Modeling &amp; Simulation</li><li>Ordinary Differential Equations I, II</li></ul></li><li>Physics Electives:<ul style="list-style-type: none"><li>Classical Mechanics</li><li>Observational Techniques - Astronomy</li></ul></li></ul>	<ul style="list-style-type: none"><li>Numerical Methods</li><li>Stochastic Process</li><li>Experiments in Physics - Meteorology</li><li>University Physics I, II, III</li></ul>	

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## EXPERIENCE

<b>DevOps Engineer</b>	<b>Rakuten</b>	<b>June 2019 – Current</b>
<ul style="list-style-type: none"><li>Maintaining dev, stage, and prod environments using Terraform and CI/CD pipelines like Spinnaker, Kubeflow, and Jenkins.</li><li>Developed Terraform modules that build and maintain private Shared VPC Kubernetes clusters.</li><li>Built multiple internal tools that help with performing security audits, shutting down dev environments, scaling StatefulSets, and internal tools that assist with DR migrations.</li><li>Responsible for maintaining and deploying monitor tiers that consist of Prometheus, Elasticsearch, Kibana, and Grafana.</li><li>Bridging the gap between the DevOps and Data Science team by fast tracking models, perform data migrations, and guarantee connectivity between services to help meet and exceed release deadlines.</li><li>Assisting with application lifecycles for all services that will be entering production.</li></ul>		
<b>Advanced Analytics Specialist</b>	<b>Metia</b>	<b>October 2018 – June 2019</b>
<ul style="list-style-type: none"><li>Optimized unsupervised Natural Language Processing (NLP) topic models in R and Python by reducing the compute time from several weeks to just a few hours.</li><li>Worked in a team to build and containerize a web crawler written in Nodejs.</li><li>Responsible for creating ad-hoc data models, and dashboards to provide insights for Microsoft executives.</li><li>Creating and maintaining SQL databases, docker containers, and virtual machines to process workloads.</li></ul>		
<b>Technical Analyst</b>	<b>Euronet Software Solutions</b>	<b>December 2017 – October 2018</b>
<ul style="list-style-type: none"><li>Assisting financial institutions with production failures and ensuring banking systems stayed active and continued to process transactions.</li><li>Testing and deploying custom security features, along with verifying the accuracy of the results with teams from each individual bank.</li><li>Responsible for conducting live migrations between production and disaster recovery environments.</li><li>Assisted financial institutions to meet dynamic requirements set by Visa and Mastercard.</li></ul>		
<b>Data Analyst Intern</b>	<b>Entegrity</b>	<b>December 2016 – December 2017</b>
<ul style="list-style-type: none"><li>Effectively created predictive regression models for the accounting department.</li><li>Worked with the engineering team to expedite cost effective environmentally friendly solutions by building an iOS application that set the groundwork for enForm.</li><li>Independently headed an energy rate analysis consisting of interactive energy maps to visually display energy rates, enabling business leaders to make data-driven decisions for future expansions.</li></ul>		

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## PROJECTS

<b>enForm</b>	<b>January 2019 – January 2021</b>
<ul style="list-style-type: none"><li>An energy audit iOS application, written in Swift, enabling engineers to conduct energy audits for buildings.</li><li>enForm and the Entegrity team were recently featured in <i>Energy News</i> for turning solar savings into increased teacher pay.</li><li>This application is able to streamline energy models by providing an easy-to-use data processing backend. This app is similar in functionality to SnapCount.</li></ul>	
<b>Ramona's Radiant Rooms</b>	<b>November 2017 – January 2021</b>
<ul style="list-style-type: none"><li>An iOS application that enables secure tokenized payments using Swift and Nodejs.</li><li>Users have the option to store multiple debit/credit cards safely, as well as view a history of all their previous transactions.</li><li>This application has about 80 recurring users per month.</li></ul>	