

Roderick Hollingsworth

Portfolio | [github.rhollingsworth.com](https://github.com/rhollingsworth) | rhollingsworth1997@gmail.com

WORK EXPERIENCE

Open Source

Software Engineer

- Monitor and maintain Docker containers with orchestrators such as Kubernetes/EC2 capable to scale
- Assisted engineers in implementing Agile/SCRUM development methodologies decreasing downtime
- Collaborated with applied scientists to build an ensemble of ML models, and enable ensemble real time serving by saving base model predictions in feature store (Redis). Resulting in a 15% improvement accuracy, and approximately 30% of new data being eligible for automated predictions

Groovy Junk Lead Engineer

- Developed and maintaining fullstack site that displays company info & tracks client data using MySQL

Upwork

Software Engineering Intern

- Assisted team to build one or more of unit, integration, functional user acceptance, and contract tests
- Created an offline batch transform pipeline that predicts 30 thousand contracts every other day. This further reduces the endpoint response time by 80%

HSS / Denver Health

Master Security Officer(MSO)

- Monitor 1000+ hospital rooms to detect and prevent signs of potential threat and ensure security
- Operated over 50 surveillance cameras to monitor interior and exterior areas
- Lead and trained 30 security personnel on physical defense tactics and hospital SOPs

PROJECTS

[Zestimate Clone](#)

- Coded, trained, fitted and fixed a Sequential Model that cleans data, using semi-supervised learning to predict estimated value for incoming home data. Using TensorFlow, Pandas & NumPy
- Improved model by adjusting number of hidden layers, input, activation and learning rate for most optimal loss of .5%

[Stock Forecasting App](#)

- Using Plotly & Dash to create and display charts using ticker provided within range of given days
- Trained and deployed models and optimized features using Scikit-Learn reducing error by 30%

[Superhero API](#)

- RESTful API that returns superhero/villain information deployed via Heroku and json-server
- Developed with JSON and JavaScript, this public API can handle over 100 calls per minute

EDUCATION

Metropolitan State University Denver

B.S. Aerospace and Aviation Sciences

Coursera: A.I. & M.L. w/ Python, Development w/ Javascript & Python, Web Development
AWS Developer Associate

SKILLS & INTERESTS

Languages: HTML, CSS, JavaScript, SQL, Python, C, Git

Other: IOT, TensorFlow, React, MongoDB, Django, AWS, Firebase, NoSQL, Docker, Kubernetes

Interests: Travel, Fitness, Gaming, Anime, Nature, Space, Self-Sufficient/Renewable Energy