

Zakery Clarke

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<https://zclarke.dev>

Education

Master's of Computer Science

University of New Mexico 2020-Current

- ❖ Expected Graduation Spring 2021
- ❖ Focus in Machine Learning & NLP

Bachelor's Computer Science

University of New Mexico 2016-2020

- ❖ Presidential Scholarship & Dean's List
- ❖ Minor in Mathematics

Work Experience

Mr Owl & Dr Owl

Software Engineer 2019-Current

- ❖ Led development of Telemedicine web app to connect doctors remotely to patients
- ❖ Analyzed statistics on a platform with 1 million+ users
- ❖ Worked with web scraping technologies to automatically gather and curate information

E-Center

Co-founder & Lead Software Developer 2018-2019

- ❖ E-Sports Statistics Platform focused on improving player performance through statistics.
- ❖ Created business plan and participated in start-up pitches to secure funding
- ❖ Machine Learning and Object Recognition technology used to analyze performance

E-TransControl

Software Developer 2016-2018

- ❖ Created online payment portal to facilitate customer transactions
- ❖ Embedded Processor Development for transmission controllers in modified vehicles

Projects

Natural Language Processing- Thesis Project

- ❖ NLP thesis focused on learning intermediate representations for question answering
- ❖ Uses BERT vectors, text to text transformers, coreference resolution and other NLP techniques to generate inferred knowledge graphs from a passage of text

NM Apartment Advisors Rent Predictor https://zclarke.dev/Apartment_Rent_Analysis/

- ❖ Created a neural network model with less than 5% error rate to predict rent prices
- ❖ Used ensemble learning techniques to account for sparse sample data

Solomon.ai

<https://github.com/zakerytclarke/solomon>

- ❖ Created tool to automatically clean and visualize data, and build machine learning models
- ❖ Publicly available under open source license

Weave Programming Language

<https://github.com/zakerytclarke/weavelang>

- ❖ Programming Language created in less than a month for the REPL.it coding Jam
- ❖ Features type inference, functional evaluation and C-like syntax

Skills

Languages: JavaScript, Node JS, Haskell, Python, Java, C++, C, SQL, MongoDB, No-SQL, Object Oriented Programming, Functional Programming

Soft Skills: Communication, Self-Starter, Leadership, Teamwork, Problem Solving, Detail Oriented, Quick Learner, Interested in new technologies

Techniques: Machine Learning, Artificial Intelligence, Neural Networks, Natural Language Processing (NLP), Clustering, Data Science, Data Visualization, Continuous Integration/Continuous Deployment (CICD)

Technologies: AWS, S3, AWS Cognito, Elastic Beanstalk, Linux, Unity, Express, React, React - Native, Agile/Scrum, Flutter, Git, Github