Matthew Kennedy

Oxford, MS 38655

601.927.6831 :: makennedy626@gmail.com

www.linkedin.com/pub/matthew-kennedy/88/625/42b/en

To view my portfolio, please visit www.matthewjohnsonkennedy.com

Experienced Certified Scrum Master with a strong Data Science skill set interested in Data Scientist and Data Science Manager positions. Open to relocation.

PORTFOLIO PROJECTS
E-commerce Market Research Capstone Project:

- Utilizing a variety of Data Science tools and public research tools, the project focused on answering the question, "With competition saturating the e-commerce market, what is the best niche market for a business or entrepreneur to expand into?"
- The result was a solution that exceeds the performance of other niche market research tools, drastically reduces the number of hours and amount of wages spent for market research, and provides a valuable tool for companies of all sizes.

Techniques:

- Data Scraping via Twitter API
- Sentiment Analysis of products via Unsupervised Neural Network to perform Natural Language Processing
- Supervised Neural Network to predict the rise in popularity of a product, back-tested over six months

Comparison of Different Neural Network Models' Performance on the CIFAR10 Small Image Classification Data Set from Keras

Determining the Testing Approach to Answer Various Questions on the European Social Survey Data Set

Exploring Natural Language Processing Techniques to Compare Performance on the NLTK Project Gutenberg Data Set

Comparison of Supervised Learning Models to a Simulated 401(k) Approach:

- Determining when to buy, sell, long, or short a stock based upon the predictions of supervised learning models.
- Data consisted of historical Apple stock prices from 2012 to 2017.
- Models were compared to a simulated 401(k) approach which bought more stock every two weeks when cash was available.
- Of the six models used, one model performed better, four performed as well as, and one performed worse than the simulated 401(k) approach.

SKILLS

Python	Data Analytics	Neural Networks
SQL	Numpy	Big Data
Data Science	SciKit-Learn	Spark

PROFESSIONAL EXPERIENCE

Scrum Master
2017 – Present

FNC/CoreLogic, Oxford, MS

- Scrum Master of a fifteen to twenty person team that is responsible for the delivery and maintenance of new features for one of our largest clients.
- Responsible for team's adherence to agile principles.
- Responsible for ensuring the team is on track within the sprint as well as within the grand project road map.

Business Systems Analyst
2016 – Present

FNC/CoreLogic, Oxford, MS

- Responsible for turning customer requirements for specific system solutions into acceptance criteria to be used by the software development team to create customized business applications.
- Maintain close relationship with internal Director of Product Management, Director of User Experience, and Director of Software Architecture.
- Responsible for documentation of internal business processes and procedures as well as standard industry practices.
- Involved in creating innovative processes to improve team performance and efficiency.
- Involved in developing new methods to increase accuracy of team performance tracking.

Project Manager
2015 – 2016

Schulz Xtruded Products, Robinsonville, MS

- Oversaw the planning, processing, manufacturing, shipping, and customer communications of approximately one hundred million dollars in products over the course of one year.
- Direct communication with the owner of the Schulz global corporation
- Communicated directly with the Presidents, Vice Presidents, and Project Managers of sister companies as well as customer companies.
- Served as a valuable resource and subject matter expert in presenting to the entire company during quarterly review meetings.
- Played a role in the consultation of client specifications and operational procedures to ensure products were manufactured in accordance to client specifications.

Co-Founder & Chief Technology Officer
2013 – 2014

Summit Brothers LLC, University, MS

- As a full time student, founded and led a company that designed an individually customized ergonomic backpack with an internal frame and suspension system, which successfully eliminated the wearer's back pain.
- Developed corporate business plan, qualifying for finals in the Gillespie Business Plan Competition.
- Led the team's research on human kyphosis, thermoplastics, and the mechanics behind the weight distribution system.
- Conceptualized a new method that better measured kyphosis and developed the team's thermoform process to create a corresponding frame.
- Experience in sales, marketing, and business management while building an extensive network.

EDUCATION

Bachelor of Arts in Physics   *May 2015*
Minors in Chemistry, Mathematics, & Neuroscience
Cum Laude
University of Mississippi, University, MS

Gillespie Business Plan Competition Finalist
Sally McDonnell Barksdale Honors College Student
Member, National Society of Collegiate Scholars
Founding Member, Ole Miss Student Entrepreneurship Association
Member, Sigma Nu Fraternity

Thesis Project:
Wind Energy Harvesting Utilizing Biaxially Oriented Piezoelectric Polyvinyledenefluoride Film

- Designed and conducted an experiment testing wind speed versus power output of PVDF in the low speed wind chamber at the National Center for Physical Acoustics.

- Wrote and successfully defended a thesis for the Sally McDonnell Barksdale Honors College.

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