Charles Hetterich

chetterich.com

hetterich.charles@gmail.com   631.388.4086   linkedin.com/in/chetterich

SUMMARY

Over 5 years of professional software engineering experience, focused on architecture and managing big data. Now shifting toward data science, driven to bring deep learning solutions to all of my work, pushing what is possible with data.

Mindful to always develop repeatable, scalable solutions in everything I do.

HOBBIES

Deep Learning, Oil Painting, Exercising, Guitar, Bass, Piano, Music Composition, Photography, Traveling, Hiking, Podcasting, Digital Art, Sewing

EDUCATION

MASTERS OF DATA SCIENCE
University of Texas at Austin
*2023 | 3.7 GPA

BACHELORS OF SCIENCE
COMPUTER SCIENCE
University at Buffalo
2020 | 3.6 GPA

SKILLS

Python · R · Golang · Swift
TypeScript · Java · SQL/CQL
JavaScript · C++ · C#

PyTorch/TensorFlow · Docker
Cassandra · React/React Native
Kubernetes · Product Design
Figma · AWS

EXPERIENCE

2021 - Present
Remote

TEMPLE UNIVERSITY | Researcher (Python) (PyTorch)
- Collaborate with medical peer to develop artificial intelligence capable of predicting the severity of a stroke, given a patient's initial CT scan
- Design convolutional deep learning model architecture to process 3D CT scans
- Provide insight & direction as research progress continues

2022
Austin

DELL MEDICAL | Research Software Developer (Python) (PsychoPy)
- Delivered multiple PsychoPy tasks to be used in trials with participants, primarily focused on psychedelic substances
- Revamped development process for quick deployment/accessibility across devices

2021 - 2022
Buffalo

E SOURCE | Software Engineer (Java) (Python) (AWS) (Cassandra)
- Design effective Cassandra query patterns to support Data Science analyses
- Create CI/CD pipelines to handle test coverage and deploying packages/services
- Develop & orchestrate multiple microservices across many AWS technologies
- Manage & optimize complex data pipelines

2019 - 2021
Remote

FREELANCE | Project Manager & Full Stack Developer (React) (Node)
- Organized & executed plans with clients to create apps they had conceptualized
- Configured AWS environment (EC2 Servers, RDS Databases, & S3 Cloud Storage)
- Managed, refactored, & scaled backend codebase as project complexity increased
- Reviewed & selected among several potential teams to build product