Emmanuel Katchy

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in Emmanuel Katchy

🐙 TobeTek

A creative software developer offering 3 years of extensive experience, analytical and critical thinking skills, coupled with a proactive approach, a great work ethic, and the ability to function well in AGILE/deadline-driven team environments.

SKILLS

Python ● ● ● ● ●
Pandas . Matplotlib . Numpy . Seaborn

Web Development ● ● ● ● ●
Django . Django Rest Framework . FastAPI . Flask

Web Design ● ● ● ● ○
HTML5 . JavaScript . CSS . Bootstrap

Database Design and Management ● ● ● ● ○
PostgreSQL . MySQL . MongoDB . Redis

Cloud Computing ● ● ● ● ○
GitHub Actions . Algorithmic Trading

Game Development ● ● ● ○ ○
C# . Unity . Blender3D

Automation ● ● ● ● ●
Selenium . Celery . Django-Q

Machine Learning ● ● ● ○ ○
Sci-Kit Learn . Keras . Tensorflow

Blockchain Development ● ● ● ○ ○
Solidity . Truffle . Hardhat . Brownie

EXPERIENCE

Blockgames, *Web 3 Coding Bootcamp* 🔗   03/2022 – 04/2022
- Led the instruction of course materials during class hours.
- Applied teaching and pedagogy techniques to enable interactive learning; compiling and creating code syntax examples, illustrations using images or videos, quizzes, coding exercises, and projects.
- Guided students on assignment requirements and solutions.
- Reviewed student submissions, and designed technical assignment grading guides.
- Lead workshops in tandem with boot-camp organizers.

Equity Screener, *Algorithmic Stock Screener and Trader* 🔗   08/2021 – 02/2022
- Worked with a remote client to design and create a trading model that makes use of resampled tick data to predict market movements and place orders.
- Managed extremely large datasets (+7000 records) using multi-threading and iterative processing.
- Automated the conversion of CSVs to HDF5, a binary format better suited for data wrangling.
- Designed and created a GUI for the screener.

Zuri Chat, *Messaging App, Slack Clone* 🔗   09/2021 – 11/2021
- Developed web application back end components while communicating with UI/UX and Front-End
- Developers to identify their needs/goals and work on meeting them.
- Worked on the improvement of data protection and security.
- Maintained large databases and configured services to improve server performance and scalability.
- Reviewed and maintained a codebase contributed to by over 500 developers.

Running Pingu, *A Subway Skater Clone* 🔗   09/2021
- Designed and created an Endless Runner for the Android platform.
- Integrated a Backend-as-a-Service (BaaS) and setup a Leaderboard to improve Player Engagement.
- Sourced for Game Assets and models, customized them, and integrated them into the game.
- Setup a development pipeline for building .APKs for distribution and beta-testing.

Spiral Jump 3D, *A Helix Jump clone* ⬈   10/2021
- Designed and created a Hyper-Casual game inspired by the Android Game Helix Jump.
- Scripted user input, gameplay mechanics and game events.
- Integrated a Backend-as-a-Service(BaaS) to store user's progress.

TT-Util, *File Management System*   01/2020
- Created a distributable system utility that monitors file system events and creates and modifies directories in order to sort files according to type, date and other meta.

ORGANIZATIONS

Social Coder, *Volunteer* ⬈
I volunteer to help NGOs and Non-Profits build scalable web applications that affect lives.

EDUCATION

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization, *Coursera* ⬈	09/2022
Convolutional Neural Networks, *Coursera* ⬈	09/2022
Deep Learning Specialization, *Coursera* ⬈	09/2022
Introduction to Tensorflow for Artificial Intelligence, Machine Learning, and Deep Learning, *Coursera* ⬈	09/2022
Neural Networks and Deep Learning, *Coursera* ⬈	09/2022
Sequence Models, *Coursera* ⬈	09/2022
Structuring Machine Learning Projects, *Coursera* ⬈	09/2022
Game Development and Design, *Maliyo Games* ⬈	12/2021
Software Engineering and Product Management, *Microsoft ADC West Game of Learners Clinics* ⬈	03/2022
Applied Data Science II: Machine Learning & Statistical Analysis (with honors), *WorldQuant University* ⬈	03/2022
Applied Data Science I: Scientific Computing & Python (with honors), *WorldQuant University* ⬈	12/2021
West African Senior School Certificate Examination, *Lordswill Academy*	08/2020 | Abuja, Nigeria

CERTIFICATES

Interchain Developer Academy - Certification ⬈
B9Lab

Python/Django Developer ⬈
Turing Enterprises, Inc.

Python/Django Developer
HNG Internship - Zuri NG

Social Media Marketing ⬈
eMarketing Institute

Affiliate Marketing ⬈
eMarketing Institute