

Piot Ostrowski

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EDUCATION

- Lancaster University** Lancaster, United Kingdom
BSc with Hons Finance and Economics October 2019 - Present
Courses: Quantitative Finance, Econometrics, Mathematical Economics, Financial Markets

SKILLS SUMMARY

- Languages:** Python, TypeScript, Solidity, Golang, CSS, Bash
- Frameworks:** PyTorch, Flask, ONNX, TensorFlow, Django, Hardhat, React, NestJS, Amplify
- Tools:** Docker, Terraform, Kubernetes, Git, Nginx, Pytest, Mocha, GraphQL, PostgreSQL, MongoDB

EXPERIENCE

- Google Summer of Code - Submitty** Remote
Student Developer (Full-time) May 2019 - Sep 2019
 - Discussion Forum Upgrades:** Refactor forum for performance to handle large databases.
 - REST API for Discussion Forum:** Symphony & Twig based Forum parts converted to API-first interface.
 - Ratchet PHP WebSocket:** Implemented a WebSocket for low-latency real time exchange of posts and thread updates.
- DataCamp Inc.** Remote
Instructor (Part-time, Contractual) Dec 2018 - Present
 - Project Course - Find Movie Similarity from Plot Summaries:** Created project based course using Unsupervised learning and natural language processing.
 - Tutorial - Introduction to Reinforcement Learning:** Created tutorial for Q-learning RL algorithm and concepts.
 - Impact:** Course has been taken by 250+ students so far with 4.65 average rating.

PROJECTS

- Vison - multimedia search engine (NLP, Search Engine, Web Crawlers, Multimedia Processing):** (Work in progress) Research oriented, open source, search engine for bringing reverse multimedia search to small & mid scale enterprises. Tech: Python, NodeJS, Intel OpenVino Toolkit, Selenium, TensorFlow (October '18)
- Reinforcement Learning based Traffic Control System (Reinforcement Learning, Computer Vision):** AI model to resolve city traffic around 50% faster. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV. (August '18)
- Panorama from Satellite Imagery using Distributed Computing (Distributed Computing, Image Processing):** Images clicked using drones, provided by ISRO were stitched together using distributed public compute nodes, effectively bringing down processing time exponentially. Tech: PHP, C++, Java, Python (March '18)
- Drag-n-drop machine learning learning environment (Web Development, Machine Learning):** Scratch like tool for implementing machine learning pipelines along with built in tutorial for each concept. Tech: Python, JavaScript (September '18)
- Search Engine and Social Network(Web Development, Web Crawler, Search):** Created from scratch a social network and a search engine based on the idea of integrating Facebook and Google. The launched website was among top 1000 websites in India during 2012-2013. Tech: PHP, MySQL, HTML, CSS, WebSockets, JavaScript, RSS, XML (May '12)

VOLUNTEER EXPERIENCE

- Community Lead at Developer Student Clubs NSEC** Kolkata, India
Conducted online and offline technical & soft-skills training impacting over 3000 students. Jan 2019 - Present
- Event Organizer at Google Developers Group Kolkata** Kolkata, India
Organized events, conducted workshops and delivered workshops reaching over 7000 developers. Jan 2018 - Present