Maxwell Fleming

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Education

Johns Hopkins University   September 2020 – May 2021
– M.S.E. in Computer Science
– Relevant Coursework: Natural Language Processing, Social Media Analytics, Human-Computer Interaction

Johns Hopkins University   September 2017 – May 2021
– B.S. in Computer Science with Minor in Applied Math and Statistics (GPA: 3.5/4.0)
– Relevant Coursework: Machine Translation, Machine Learning, Parallel Programming, Data Science

Experience

Salesforce, Associate Member of Technical Staff   September 2021 –

Salesforce, Software Engineering Intern   May 2020–August 2020
– Pioneered future product by developing AI models and collaborating with product and design teams
– Created valuable insights by building big data pipelines to analyze millions of subscribers

Universidad Carlos III de Madrid, HPC Research Assistant   May 2019–July 2019
– Developed and published a scalable clustering package (Code)
– Benchmarked and improved n-body simulations run time by using system entropy to change step size

Juni Learning, Computer Science Instructor   November 2018–May 2020
– Taught students aged 8-16 computer science fundamentals in online lessons

Publications

– Collecting Verified COVID-19 Question Answer Pairs. Poliak, **Fleming**, Costello, Murray, Yarmohammadi, Pandya, Irani, Agarwal, Sharma, Sun, Ivanov, Shang, Srinivasan, Lee, Han, Agarwal, Sedoc. NLP COVID-19 Workshop @ EMNLP 2020.

Activities

Personal Programming Projects
– **Assay Visualizer**, Johns Hopkins University   April 2019–December 2019
  – Provided insight to researchers by creating web apps that visually analyse unsequenced DNA (Code)
  – Built a machine learning model to classify the assay of unsequenced DNA reads in order to identify incorrect metadata in the NCBI database (Code) (Paper)
– **Cacoon** Web app that increases personal growth with mindfulness exercises and insights
– **Shift Registrar** Script automatically registers user for shifts when they become available (Code)

Student Athlete
– Started as goalie for Johns Hopkins NCAA DIII Water Polo Team (2019-2021)
– Started as 197 pound wrestler for Johns Hopkins NCAA DIII Wrestling Team (2017-2018)

Skills

Languages
– Fluent: Scala, Python
– Familiar: Bash, C, C++, Java, Javascript, R

Frameworks
– Fluent: Apache Spark, Matplotlib, Numpy, Git
– Familiar: Django, React, Selenium, Shiny, Plotly, Docker, Singularity, Dask

Knowledge
– Data Pipelines, Data Visualization, Machine Learning, Social Media Analysis, Web Scraping, Teaching