ARTHUR JENOUDET

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Authorized to work in the US via STEM OPT

EDUCATION	**UNIVERSITY OF MICHIGAN** **Ann Arbor, MI**
2020 – 2021	**M.S. Computer Science & Engineering (GPA: 4.0) – Sequential Undergrad/Grad Studies** • **AI/ML coursework**: Natural Language Processing (EECS 595), Advanced Artificial Intelligence (EECS 692). • <u>Other courses</u>: Advanced Programming Languages (EECS 590), Introduction to Operating Systems (EECS 482), Advanced Compilers (EECS 583), Design and Analysis of Algorithms (EECS 586).
2016 – 2020	**B.S. Computer Science (GPA: 3.65, Major GPA: 3.64) – Sequential Undergrad/Grad Studies** • **AI/ML coursework**: Introduction to Artificial Intelligence (EECS 492), Introduction to Machine Learning (EECS 445). • <u>Other courses</u>: Database Management Systems (EECS 484), Web Systems (EECS 485), Data Structures and Algorithms (EECS 281). **Stephen M. Ross Minor in Business Administration** • Making Financial Decisions (FIN 302), Accounting Principles (ACC 471), Entrepreneurial Management (ES 395), Support with Excel (TO 411).
EXPERIENCE	**UNIVERSITY OF MICHIGAN** **Ann Arbor, MI**
Fall 2019	**EECS 402 Grader – Academic Environment** • Wrote an autograder for class projects in Python and C++ considering the possibility of non-deterministic or non-standard output, reducing human intervention by 90% through a grading accuracy of 90% and decreasing the correctness grading time by 50%. • Decided autonomously on projects' grading rubrics using general guidelines given by the professor reducing his involvement in the grading process by 90%.
Summer 2019	**TALKWALKER** **Luxembourg, Luxembourg** **Data Science Intern – Growth Environment | Multicultural teamwork** • Designed and implemented new document retrieval algorithms for Talkwalker's AI document categorization engine using XGBoost to quantify improvements, and ElasticSearch to search and filter results, overall requiring 10% less human input to achieve the same accuracy. • Developed a comprehensive test suite in Java for Talkwalker's AI document categorization engine using the JUnit framework exposing five bugs in the current architecture. • Leveraged my bilingualism and biculturalism to smooth work process among 30 nationalities.
Summer 2018	**MILE POSITIONING SOLUTIONS** **Lyon, France** **Chief Product Developer Intern – Start-up Environment | Autonomy | Scarce resources** • Charged with delivering an iOS application aimed at streamlining the social security paperwork of traveling French professionals using Xcode and Swift for front end mobile development alongside Google Firebase and its iOS SDK as backend and database service.
Summer 2017	**MUREX** **Paris, France** **Software Engineering Intern – Corporate Environment | Multilevel teamwork** • Developed a customer service debugging tool in Java automating 50 SQL database requests, saving 20 minutes on each customer service request and consequently saving hours each day. • Built a command line visualization tool to synthesize the findings of the debugging tool speeding up the assessment of issues in customer products. • Used Maven for compilation of project and Jenkins for continuous integration.
PROJECTS	**INSTACLONE:** Implemented an Instagram clone based on a Python Flask backend controller using a REST API. Backend communicated with a MySQL database. Built the frontend in ReactJS and published the project on AWS. **MAPREDUCE SERVER**: Implemented a MapReduce server capable of processing an arbitrary number of files in Python. Used one master controller and an arbitrary number of workers communicating through a REST API using Python socket and thread libraries extensively.
CLUBS 2016 – 2020	**UNIVERSITY OF MICHIGAN ALPINE SKI AND SNOWBOARD TEAM** **Ann Arbor, MI** **Captain** (umskisnowboard.com) • In charge of all organizational matters pertaining to the ski team: budgeting, recruitment, registration, weekend trips logistics (housing, food, etc...), race logistics, and more. • Financially stabilized the club through new revenue streams and cost saving measures. • Competed in the 2019 USCSA National Championship in Jackson, WY.
SKILLS	**SPOKEN LANGUAGES:** Native proficiency in French and English. **PROGRAMMING LANGUAGES:** In order of proficiency: Python (advanced), C++ (advanced), Java, SQL, OCaml, JavaScript, C, Swift. **OTHER:** Microsoft Excel (advanced), Git (advanced).