ARTHUR JENOUDET

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Authorized to work in the US for three years via STEM OPT

EDUCATION

UNIVERSITY OF MICHIGAN, Ann Arbor, MI

M.S. Computer Science & Engineering – Sequential Undergrad/Grad Studies   *May 2021*
GPA: 3.89/4.0
- AI/ML coursework: Natural Language Processing.
- Other courses: Advanced Programming Languages, Introduction to Operating Systems, Advanced Compilers, Design and Analysis of Algorithms, Software Engineering.

B.S. Computer Science – Sequential Undergrad/Grad Studies   *Sep 2016 - May 2020*
GPA: 3.65/4.0, Major GPA: 3.64/4.0
- AI/ML coursework: Introduction to Artificial Intelligence, Introduction to Machine Learning.
- Other courses: Database Management Systems, Web Systems, Data Structures and Algorithms.

Minor in Business Administration
- Making Financial Decisions, Accounting Principles, Entrepreneurial Management, Excel.

EXPERIENCE

UNIVERSITY OF MICHIGAN, Ann Arbor, MI

EECS 402 Grader – Academic Environment   *Sep 2019 – Dec 2019*
- 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%.

TALKWALKER, Luxembourg, Luxembourg

Data Science Intern – Growth Environment   *May 2019 – Jul 2019*
- 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.

MILE POSITIONING SOLUTIONS, Lyon, France

Chief Product Developer Intern – Start-up Environment   *May 2018 – Jul 2018*
- Delivered the prototype of 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.

MUREX, Paris, France

Software Engineering Intern – Corporate Environment   *May 2017 – Jul 2017*
- 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, accelerating the assessment of issues in customer products.
- Used Maven for compilation of project and Jenkins for continuous integration.

PROJECTS

LLVML: Designed and implemented a Machine Learning pipeline to predict the optimal unroll. factor of a loop in LLVM. Focused on the Feature Extraction step of the pipeline. Our Neural Network predicted the top two unroll factors in over 95% of cases.
Various NLP tasks: Implemented three different Machine Learning models to tackle the CommonsenseQA problem, a general Conversational Entailment problem, and an Everyday Actions in Text (EAT) problem.

CLUBS

UNIVERSITY OF MICHIGAN ALPINE SKI AND SNOWBOARD TEAM, Ann Arbor, MI
Captain (umskisnowboard.com)   *Sep 2016 – May 2020*
- Oversaw all organizational matters pertaining to the ski team: budgeting, recruitment, registration, weekend trips logistics (housing, food, etc...), race logistics, and more.
- Stabilized the club's financials 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).