Alex Clavel

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Education

2018 – 2022   BACHELOR OF SCIENCE   MILWAUKEE SCHOOL OF ENGINEERING (WI)
· Major: Computer Science / Minors: Mathematics, User Experience, Psychology, Technical Communication
· Courses of interest: Machine Learning, Data Science, Deep Learning, Competitive Programming
· Overall GPA: 3.05; Last Term: 3.75

2014 – 2018   HIGH SCHOOL DIPLOMA   ADLAI E. STEVENSON HIGH SCHOOL (IL)
· 2018-2019 Illinois State Scholar, Illinois State Seal of Biliteracy for French language

Relevant Experience

· **Machine Learning:** Pandas, NumPy, sklearn, Jupyter Notebook, pytorch
· **Programing:** Java, C, C++, Python, Javascript, CUDA, on Linux, OSX, and Windows environments
· **Databases:** SQL, SQLAlchemy, Superset, JDBC, AWS RDS, MongoDB, AWS Glue, ETL pipeline
· **Development Methodologies:** Agile, Scrum, Kanban

Relevant Work Experience

08/2022 – 04/2023   SOFTWARE ENGINEER 1   OCIENT
Ocient is a next-generation data solution, leveraging NVMe technology to simultaneously minimize cost and query time.

· Worked to build connectors for hyperscale (100TB+) warehouse
· Led development effort for Apache Superset and SQLAlchemy integration, allowing for on-time delivery to customers
· Maintained legacy JDBC connectors, minimizing downtime and disruption to customers

06/2021 – 10/2021   INTERN - DATA DELIVERY   MGIC
Mortgage Guaranty Insurance Corporation is a Milwaukee-based industry leader in mortgage insurance.

· Full-Time from June through August 2021. Part-time thereafter (college)
· Consolidated and pipelined customer and lender data for use by other departments
· Developed and maintained ETL scripts for data ingress of mortgage data
· Mastered proprietary enterprise-level ETL tools

06/2020 – 02/2021   JUNIOR SOFTWARE ENGINEER   KNOWLEDGEHOUND
Knowledgehound is the first and only search-based survey data analysis solution.

· Full-Time from June through August 2020. Part-time thereafter (college)
· Unified customer research warehousing, analytics, and visualization tools
· Developed Metrics ETL pipeline with AWS Glue
· Developed and published SQL dashboards to give data insights on metrics

Extra-Curricular

LEADERSHIP – MAGE COLLEGE CLUB
- MSOE's Sci-Fi, Anime, Gaming, and Chess club, MAGE hosts gaming events and tournaments
- **President** from March 2021- March 2022: Lead club, organizing events and maintaining engagement on campus
- **Secretary** from March 2020- March 2021: Managed meeting organization and record-keeping

Previous Work Experience

02/2019 – 03/2020   TIER 1 TECHNICIAN   MSOE IT DEPARTMENT
The MSOE IT department provides technological support to students, faculty and staff.

- (Part-Time College job) Employment with School IT Dept.
- Quickly diagnosed technical and software issues and resolved customers' high-stress situations

06/2019 – 08/2019   LOW VOLTAGE TECHNICIAN   MODERN MEDIA TECH
Modern Media Tech provides network and technology installation services

- Assured customer satisfaction with polished and expedient work.
- Resolved unexpected issues as they occurred.

06/2018 – 08/2018   POOL STAFF   BANNER DAY CAMP
Banner Day Camp is a summer camp for children aged 3-14

- Instructed swimming lessons to children aged 3-13 in small groups.
- Assured security of children through lifeguarding and rule enforcement.

07/2017 – 08/2018   LIBRARY AIDE   VERNON AREA PUBLIC LIBRARY
Vernon Area Public Library serves as the local library for the area around Vernon Hills, IL

- Re-shelved books once they were returned to the library.
- Assisted Library patrons in finding relevant and interesting materials.