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## JOHN ALEXANDRE MURRAY

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Passionate, heavily driven, and securely living in Austria with half a decade's worth of industrial analysis and testing. Always ready to meet the company's needs, business plans and learn new things.

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### SKILLS

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- Programming Languages: C++, Python, SQL, JavaScript, HTML5, CSS3
  - Technologies: GitBash, Pygame, Pandas, Numpy, Matplotlib, Jupyter, Azure, Jupyter
  - Team Player, Strong Communicator, Effective Problem Solver, Fantastic Time Management, Heavily Driven
  - Laboratory Testing: FTIR/NMR, ICP, Acid/Base Titration, Karl Fischer, Bacteria Culture, Gas Chromatography
  - English (Native), German (A2), Chinese - Mandarin (B2), Spanish (A2)
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### RECENT WORK EXPERIENCE AND CURRENT / PAST PROJECTS

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#### Projects:

**2D Platformer Game** – Created a 2-dimensional platformer game in pygame with multiple levels. Implemented a Level editor to create new and/or edit existing game levels.

**Book Management System** – Created a book management system in C++, designed to keep track of general information about a book within an inventory space you create.

**Website Portfolio** – Refactored a website portfolio design with HTML5, CSS3 and JS into my own project to host other projects using GitHub Pages.

#### Chemical Analyst

**Bureau Veritas | 2021 - Present**

Gas Chromatography and Reformulyzer Specialist

- Interpretation of graphical analyses from Chemstation/Gas Excellence software to provide numerical insight for R&D on valuable petroleum gas and liquid production, as well as report data.
- Troubleshoot and solve on-site data handling issues.
- Development and augmentation of software methods in accordance with test SOP.
- Software import and export file management.

#### Laboratory Technician

**ALS: Tribology | April 2017 – July 2020**

Petroleum product analysis laboratory technician

- Operation and maintenance of FTIR and Automatic titrimetric titration instruments.
  - Provides clients with reports on their requested test samples with an average two-day turnaround time.
  - Manage multiple Microsoft Excel files to support data transfer into the SAM program database.
  - Shift Chemical Safety Advisor for the building's JHEC meetings.
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### EDUCATION

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#### Southern New Hampshire University

BSc in Environmental Science w/concentration in Geospatial Information Systems