

## Technical Director - Global Technology

### Required Skills

#### Level 1

- Writes tools in Python, C, and C++ under supervision.
- Demonstrates working knowledge of various software packages.
- Designs and implements simple GUIs (Graphical User Interfaces).

#### Level 2

- Writes tools with little supervision.
- Demonstrates working knowledge of connections between software packages.
- Demonstrates expert knowledge of one or more software packages.
- Designs and implements complex GUIs.

#### Level 3

- Demonstrates expert knowledge of a discipline's tools needs.
- Reports, explains, communicates, and responds effectively with members of a discipline.
- Designs project-wide pipeline solutions to connect a variety of software packages.

#### Level 4

- Leads teams in solving complex problems.
- Designs API (application program interface) databases.
- Mentors Level 3, Level 2, and Level 1.
- Analyzes, designs, and implements pipeline solutions in partnership with others.

### What courses should I take?

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|------------|------------|------------|
| - ARTS 103 | - VIST 271 | - VIST 441 |
| - ARTS 104 | - VIST 284 | - VIST 470 |
| - ARTS 353 | - VIST 370 | - VIST 486 |
| - VIST 170 | - VIST 372 | - VIST 487 |
| - VIST 270 | - VIST 374 |            |

