

Quarter 1 - (4 meetings - Sep, Oct)

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| Introduction to Graph Databases | Learning about graphs versus traditional relational databases; Exploring the advantages and added functionality; Looking at TigerGraph's Native Parallel Graph |
| Navigating Cloud Portal | Choosing starter kits; Learning how to start, load data, explore graph visually; run built-in queries; add/modify/delete attributes |
| Goin' GSQL (pt. 1, Schema, Loading) | Defining a schema; Creating a graph; Writing loading jobs; Basic introduction to GSQL |
| Goin' GSQL (pt. 2, Creating Queries) | Select statements; Accum/Post-Accum; How to write queries for specific functions |

Quarter 2 - (4 meetings, Nov, Dec)

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| pyTigerGraph | Basic pyTigerGraph functions (establishing conn., writing/running queries, functions) |
| Plotly Visualization | Converting query results to figure/chart |
| Dash Applications (pt. 1) | Combining figures/charts/other elements together to make dashboard apps |
| Dash Applications (pt. 2) | Learning more intricate elements; Deploying finished dashboard to services (ex. Heroku) |

Quarter 3 - (4 meetings, Jan, Feb)

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| Fullstack Creation - Frontend | Learning the tools of the frontend (Quasar) |
| Fullstack Creation - Advanced Analytics | <Ask Leo for this → intricate queries> |
| Fullstack Creation - Middleware | Learning the tools of middleware (FastAPI) |
| Fullstack Creation - All Put Together | Backend; Combining elements together; Deploying full stack application |

Quarter 4 - (4 meetings, March, April)

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| Special Talks/Prep for Conference | Special Workshops and work time! |
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