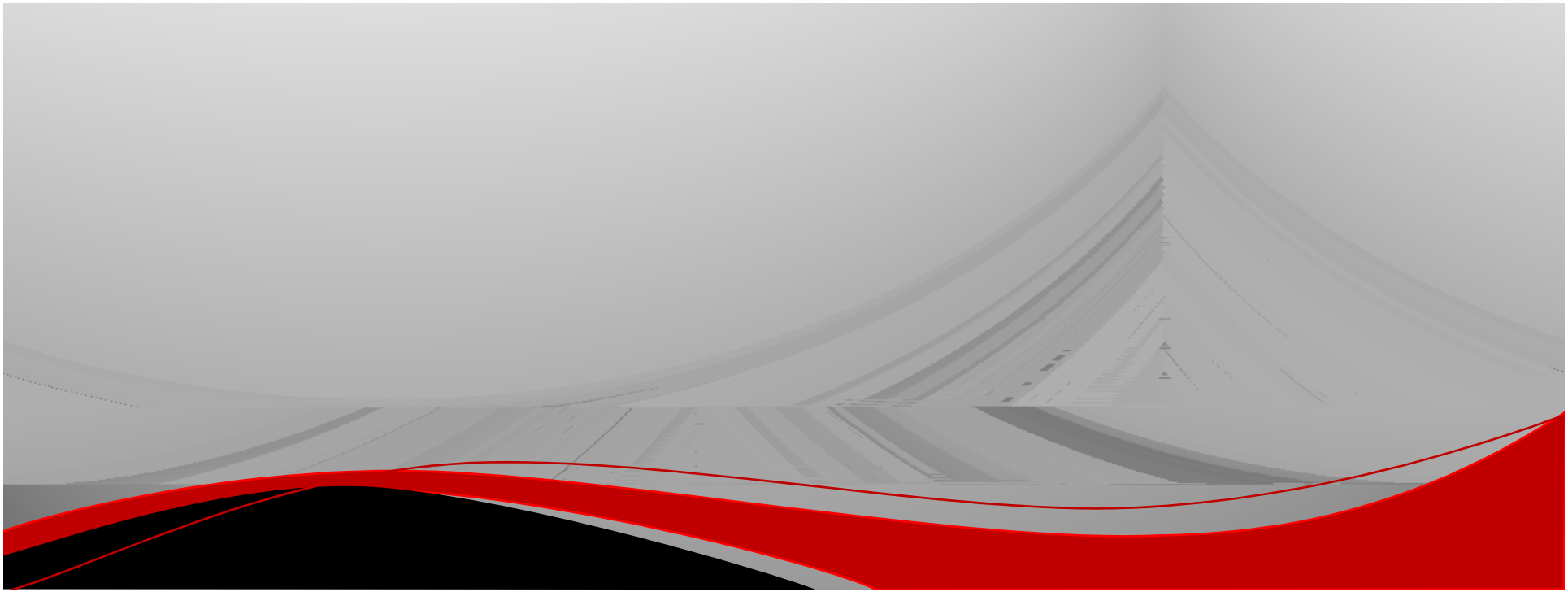

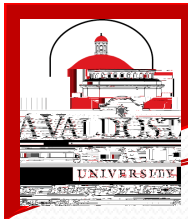
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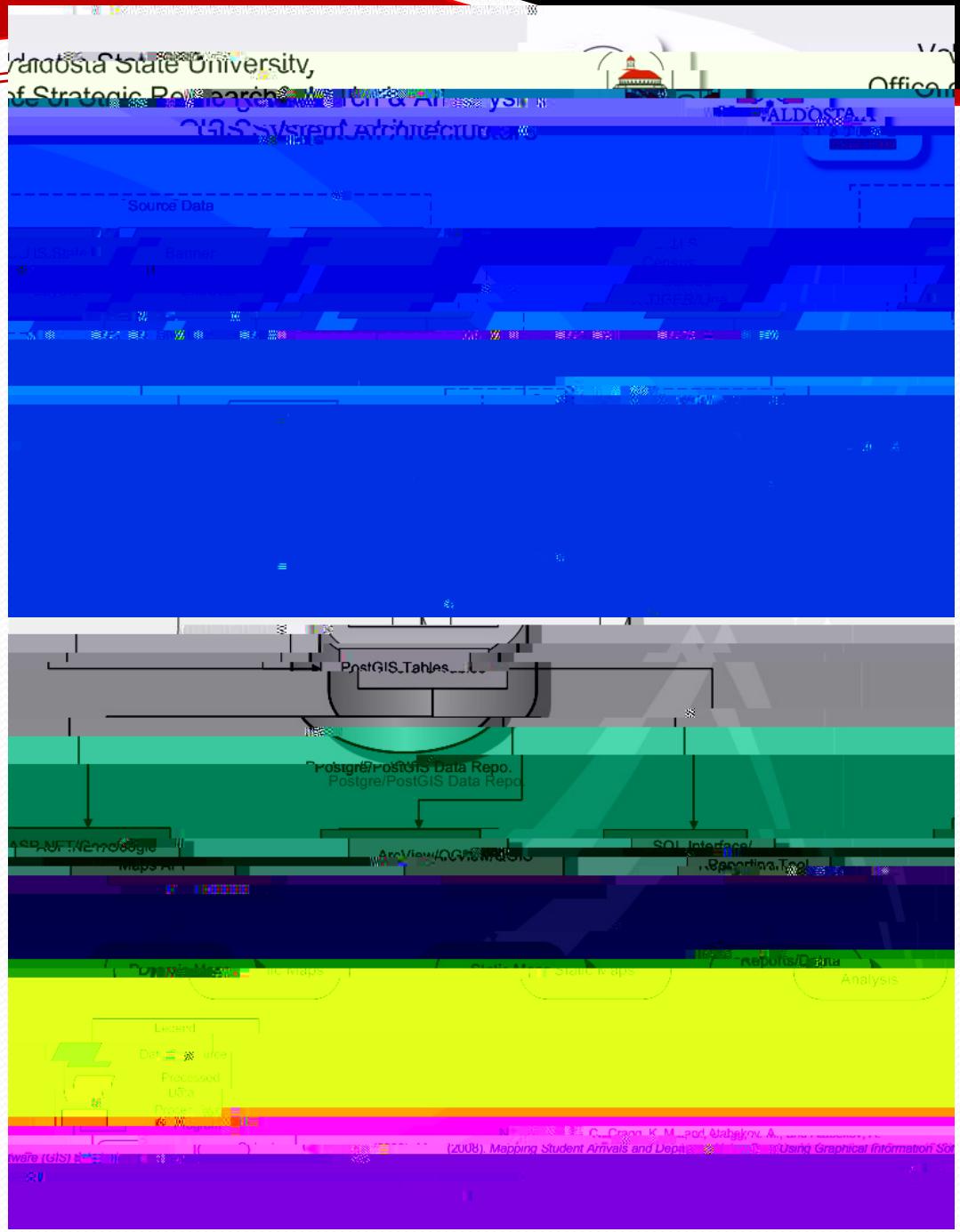
Motivation for the Study &


Valdosta State University,
Office of Strategic Research & Analysis
GIS System Architecture
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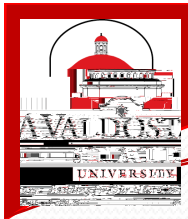
Source Data
Banner
PostGIS Tables
Postgre/PostGIS Data Repo.
Postgre/PostGIS Data Repo
ArcView/ArcGIS
SQL Interface/
Reporting Tool
Reports/Data
Analysis
Legend
Processed
Data
(2008). Mapping Student Arrivals and Depa
Using Graphical Information Sol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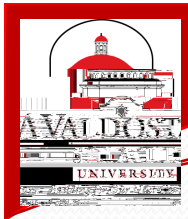
Geocoding Library

- Operation
  - Geoloading
    - Converts US Census Bureau TIGER/Line de/T l t(((zZZUTUA(s /T l t(((zZZU/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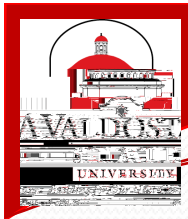
PostGIS Spatial Queries

- **Query Example**
  - **Find the names of all students from Lowndes county**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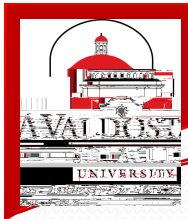
Dynamic Mapping

- Second Attempt
  - Google Maps API
    - Use ASP.NET to generate xml docs from PostGIS data.
    - Loaded the xml docs using the Google Maps API to render the data over the Google Maps Viewer
  - Pros
    - Easy to generate XML
    - Simple, Free API
  - Cons
    - Rendering Performance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Questions & Comments