

# An Online Transit Inventory Application through Google APIs Technology

**Ya Wang**

*SCVTA, Senior Transportation  
Planner*

*San Jose, California*



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# Awesomeness Statement of the Planning Department

Why  
is it of  
Interest  
?

- Advance integrated planning practices and solutions through research, analysis, creativity, **innovation** and action.

# Limitation with the Existing Transit Inventory /the Alternative

Why  
is it of  
Benefit  
?

- Platform: MS Access database
  - Presentation of location information--limited
  - Information turnaround--slow
- Alternative:
  - Combined presentation of location and attribute information
  - Easy/quick access by non-GIS users

# API Technology

- What is API?
  - Application Programming Interface
  - Leverage resources already developed by others
- Resources through Google APIs
  - Google Maps: Street maps, photos, terrain, 3-D earth view, etc
  - Functionalities: Elevation service, direction service, geocoding service, place search, etc

# Development Approach and Highlights

- Development Approach
  - “Dwarfs standing on the shoulders of giants
  - Study, learn and customize
- Highlights
  - Ridership Profile
  - Station Fly Around
  - Virtual Transit Tour

# Future Work/Conclusion

- Future Work
  - Data structure
  - Automated data preparation
  - Information updates as well as retrieval
- Conclusion
  - Better decision
  - Cost saving

# Questions and Comments

- Thank You!