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Student Interactive Campus Map at Marshall University

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Student Interactive Campus Map at Marshall University

Edward Aractingi

And

Jamie Wolfe

Marshall University

Marshall University

- Located in Huntington, West Virginia
- State Funded University
- Offers 2-year and 4-year undergraduate and graduate programs
- Enrolls 14,000 students including 4,000 graduate and medical students
- 23 associate programs, 44 baccalaureate and 46 graduate programs

CEGAS

CEGAS

- Center for Environmental, Geotechnical and Applied Sciences
- Established May 1993
- The goal of the center is to forge close relationships among the business community, higher education institutions, and government agencies, in technology-based endeavors.

MUGIS

Marshall University Geographic Information System

MUGIS Development

Interactive Campus Map

Interactive Campus Map

- Primary Purpose:
  - To help students quickly find the location of buildings and services on the Huntington main campus
- Secondary Purposes:
  - Create a foundation for future applications
  - Create a prototype of what GIS tools can provide
  - To test hardware and software

Requirements

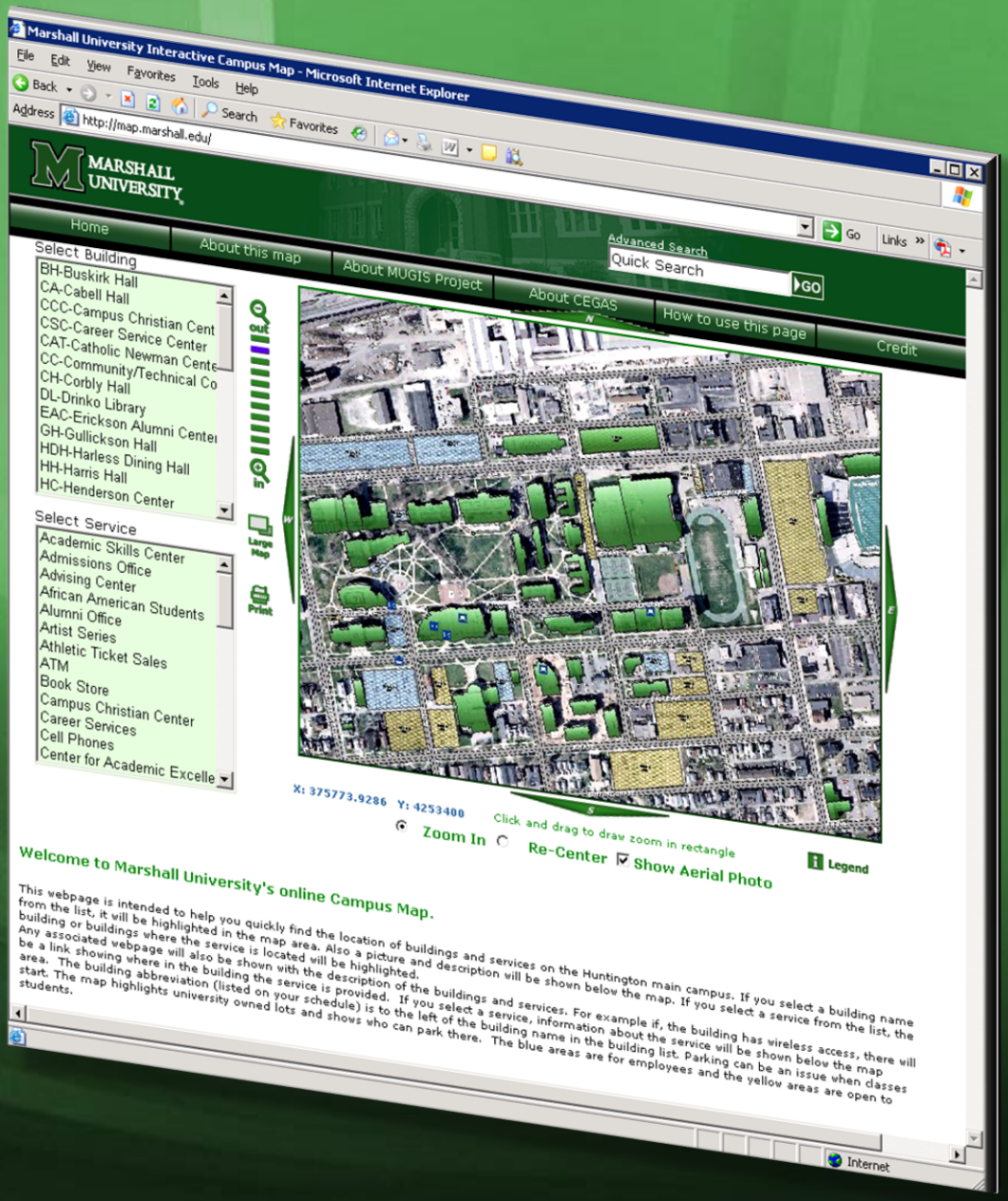
Technical Aspects

- ArcIMS on IIS Webserver
- ASP.NET Visual Studio
- Microsoft SQL Server
- ArcMap and Autocad
- Single DELL PowerEdge 2850

Layers

- City Roads
- Aerial Photography (2 foot resolution)
- Buildings Layer
- Parking Lots
- Point-Of-Interest Locations

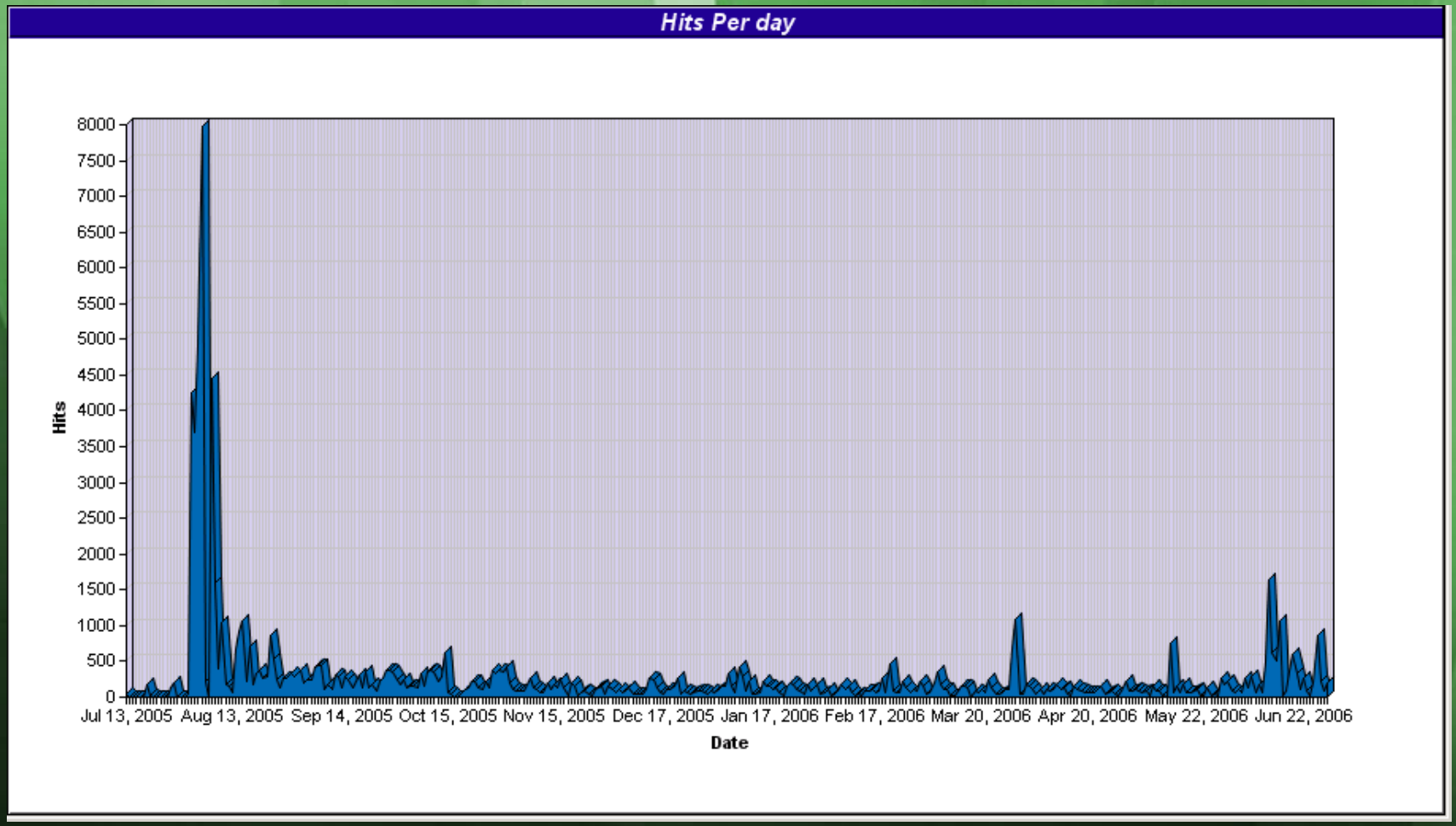
MARSHALL


Marshall University Interactive Campus Map - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://map.marshall.edu/
MARSHALL UNIVERSITY
Home
About this map
About MUGIS Project
About CEGAS
How to use this page
Credit
Advanced Search
Quick Search
GO
Go
Links
Select Building
BH-Buskirk Hall
CA-Cabell Hall
CCC-Campus Christian Cent
CSC-Career Service Center
CAT-Catholic Newman Cente
CC-Community/Technical Co
CH-Corbly Hall
DL-Drinko Library
EAC-Erickson Alumni Center
GH-Gullickson Hall
HDH-Harless Dining Hall
HH-Harris Hall
HC-Henderson Center
Select Service
Academic Skills Center
Admissions Office
Advising Center
African American Students
Alumni Office
Artist Series
Athletic Ticket Sales
ATM
Book Store
Campus Christian Center
Career Services
Cell Phones
Center for Academic Excelle
Out
In
Pan
Print
N
W
E
S
X: 375773.9286 Y: 4253400
Click and drag to draw zoom in rectangle
Zoom In
Re-Center
Show Aerial Photo
Legend
Welcome to Marshall University's online Campus Map.
This webpage is intended to help you quickly find the location of buildings and services on the Huntington main campus. If you select a building name from the list, it will be highlighted in the map area. Also a picture and description will be shown below the map. If you select a service from the list, the building or buildings where the service is located will be highlighted.
Any associated webpage will also be shown with the description of the buildings and services. For example if, the building has wireless access, there will be a link showing where in the building the service is provided. If you select a service, information about the service will be shown below the map area. The building abbreviation (listed on your schedule) is to the left of the building name in the building list. Parking can be an issue when classes start. The map highlights university owned lots and shows who can park there. The blue areas are for employees and the yellow areas are open to students.
Internet

Application Use

- Covers only the main campus
- Provide a list of buildings where students can select an entry.
- Provide a list of main university services.
- Show a interactive map of the campus with the ability to do basic navigation
- When a building or service is selected, highlight the applicable building(s) and display additional information and links

Hits per Day


Hits Per day
Hits
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Jul 13, 2005
Aug 13, 2005
Sep 14, 2005
Oct 15, 2005
Nov 15, 2005
Dec 17, 2005
Jan 17, 2006
Feb 17, 2006
Mar 20, 2006
Apr 20, 2006
May 22, 2006
Jun 22, 2006
Date

Future Development

- Granular queries, like selecting all buildings which contain computer labs or where a student has classes.
- Link with the university staff/employee directory.
- Add other Campus Locations
- Add the capability to point and click the building.
- Better aerial photography transfer to webpage.
- Maintain changes.

Other MUGIS Applications

- Ownership Maps
- CAD File Storage
- CAD File Management
- HEGIS Standards
- Room Occupancy Limits
- Room Numbers
- Key Management
- Property Management
- Energy Usage
- Movable Assets
- Underground Utilities
- Demolition
- Renovation
- Equipment Photos
- New Constructions
- Interactive Campus Map