



Matthew Kuliani
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EDUCATION

NORTH CAROLINA STATE UNIVERSITY – RALEIGH, NC

B.S. Degree in Environmental Technology and Management, May 2013

Coursework (including both Computer Science and Environmental Technology):

- ◆ Computer Programming - C++
- ◆ Computer Programming - Java
- ◆ Web Page Development
- ◆ Programming Concepts
- ◆ Introduction to GIS
- ◆ Data Structures
- ◆ Environmental Impact Assessment
- ◆ Environmental Monitoring and Analysis
- ◆ Artificial Intelligence
- ◆ Life Cycle Analysis
- ◆ Adaptive Management and Governance
- ◆ Automata, Grammars, and Computability
- ◆ Computer Organization and Assembly Language
- ◆ Solar Photovoltaic Energy
- ◆ Visual C++
- ◆ Symbolic Logic
- ◆ Human-Computer Interaction

WAKE TECHNICAL COMMUNITY COLLEGE – WAKE COUNTY, NC

Course Work in High Performance Computing, 2002 - 2003

EMPLOYMENT EXPERIENCE

INSTITUTE FOR TRANSPORTATION RESEARCH AND EDUCATION – Raleigh, NC

Research Assistant, Oct 2013 - Present

- ◆ Provide second-tier business intelligence product development services
- ◆ Provide coding and web development services
- ◆ Develop interactive multi-media and data visualization products
- ◆ Provide marketing and needs assessment
- ◆ Actively suggest areas to improve COVERLAB and extend services
- ◆ Provide business continuance to the COVERLAB project and associated technologies

INSTITUTE FOR TRANSPORTATION RESEARCH AND EDUCATION – Raleigh, NC

Data Visualization Technologist, May 2013 – Oct 2013

- ◆ Developed solutions for delivering complex data to multiple, differing audiences simultaneously.
- ◆ Determined and evaluated software solutions to assist in the program's goals and growth.
- ◆ Read and evaluated subject matter content and provide insight to team members.
- ◆ Provided IT assistance to the Commercial Vehicle Enforcement Resource Lab (COVERLAB).

DEPARTMENT OF CULTURAL RESOURCES – Raleigh, NC

GIS Intern, Spring 2013

- ◆ Developed stand-alone GIS web applications for deployment to the public. (<http://markers.ncdcr.gov/gis/>)
- ◆ Introduced mobile application development solutions to the Application Development Department.
- ◆ Assisted the Office of State Archaeologists with the spatial digitization of official NC archaeological maps.

THEMIS GROUP – Durham, NC

Community Manager; Customer Service Manager; Marketing Associate; Programmer; Online Guerilla Marketing Manager; Game Master, 2004 – 2011

- ◆ Managed a team of customer service personnel for a triple-A rated MMORPG.
- ◆ Administered, managed, and expanded the community base for a major video game industry website.
- ◆ Executed a flawless online guerilla marketing campaign for several clients.
- ◆ Provided one-on-one customer support in an avatar-based video game virtual world.
- ◆ Worked with an experienced team of web developers to quickly publish several web-based services.

SKILLS

Software: Visual Studio, ArcGIS, OpenLCA, Microsoft Office, Adobe Flash Builder, UltraEdit, Microsoft Windows (95, 98, XP, ME, 2000, Vista, 7, Server 2008 R2)

Computer: Experience in computer programming (C++, Java, JavaScript, DHTML, CSS, REST, MDX, LISP, ActionScript, FORTRAN, Pascal, Visual Basic, PHP, HTML, XML), repair/building, troubleshooting and diagnostics, network support and construction, web project design, and web page programming and construction (IIS, web server design, Active Directory, etc.), database design and maintenance (Microsoft SQL Server 2008/2012, RDBMS, OLAP, SharePoint Server 2013, SharePoint 2013 Business Intelligence stack)

ACTIVITIES AND HONORS

- ◆ Dean's List
- ◆ OSHA 30-hour certified
- ◆ Phi Delta Theta
- ◆ Durham Big Sweep
- ◆ NCSU Student Government – Webmaster
- ◆ Building 3D models for Google Earth