JEFFREY A. WOOD

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OBJECTIVE

To obtain further skills in programming and development for use in enhancement of science gateways.

EXPERIENCE

1998–Present　　　Elizabeth City State University　　　　　　Elizabeth City, NC
ONR/NASA/NSF/CERSER Multimedia Development

- Mentor STEM majors in multimedia disciplines / lead research teams in various projects
- Development of Physics computer based training with Cairo University in Cairo, Egypt
- Manager of ONR/NASA/NSF/CERSER/CRESIS program web pages
- Develop educational posters, bookmarks, traveling exhibits, and flyers

1993–2001　　　　U. S. Coast Guard　　　　　　Elizabeth City, NC
Computer Media Development

- Maintain Macintosh computer laboratory of 20 computers
- Develop over 80 computer based training courses for Aviation Maintenance Schools
- Develop web based training for delivery via CD, WAN, and LAN
- Develop paper based instructional courses, databases, and animations for instructor use

1983–1993　　　　U. S. Coast Guard　　　　　　Various Locations
Aviation Electronics Technician

- Repair and install aviation electronics in Coast Guard Aircraft
- Perform maintenance on aviation electronics systems
- Aircrew on HC-130 - Navigator and Radioman

EDUCATION

2011–Present　　　Elizabeth City State University　　　　　　Elizabeth City, NC
Teachers License Certification - Elementary
Elizabeth City State University
GPA 4.0

2006–2010　　　　Elizabeth City State University　　　　　　Elizabeth City, NC
M.S. Applied Mathematics concentration Remote Sensing
Thesis: The development of a dynamic multimedia interface for integrated display in a social networking application of multi-channel radar depth sounder data processed through wiener, median, and fir1 filters in support of polar research education
GPA 4.0

2001–2005　　　　Elizabeth City State University　　　　　　Elizabeth City, NC
B.S. Computer and Information Science
GPA 4.0

B.S. Aviation Science - Elizabeth City State University
GPA 4.0

SOFTWARE PROFICIENCY

- Adobe Photoshop
- Adobe Illustrator
- Adobe PageMaker
- Adobe Dreamweaver
- Adobe Flash
- Adobe Fireworks

- Adobe Freehand
- Adobe InDesign
- Discreet 3DS Studio
- Microsoft Access
- Microsoft Excel
- Microsoft Word

- Microsoft PowerPoint
- C++, Assembly Language, VBScript
- JavaScript
- PHP
- SQL

PORTFOLIO LINKS

Links to web pages that have been developed:

- http://cerser.ecsu.edu/
- http://nia.ecsu.edu/
- http://www.nbcboatworks.com/
- http://nia.ecsu.edu/ur/1516/rw16/
- http://nia.ecsu.edu/past_events.html

- https://www.admiusa.org/admi2016/
- http://nia.ecsu.edu/reuomps2015/
- http://nia.ecsu.edu/cwm.html
- http://cerser.ecsu.edu/rse/
- http://nia.ecsu.edu/reuomps2015/teams/water

RECENT PROJECTS

January 2016: Implementation of Social Media for Dissemination of Research Activities at the Center of Excellence in Remote Sensing Education and Research at Elizabeth City State University

June 2015: A Corresponding Study of Water Quality Evaluation of the Pasquotank Watershed in Northeastern North Carolina

January 2015: Implementation of an interactive database interface utilizing HTML, PHP, JavaScript, and MySQL in support of water quality assessments in the Northeastern North Carolina Pasquotank Watershed

June 2014: A comparative study to the 2011/2013 water quality assessments in the Pasquotank Watershed in Northeastern North Carolina with a sea level rise component

January 2014: Update of the CERSER TeraScan Cataloguing System and the TeraScan Image Processing Scripts

June 2013: A comparative study of the 2011/2013 water quality assessments in the Pasquotank Watershed in Northeastern North Carolina

June 2012: Utilizing Data Sets from the CReSIS Data Archives to Visualize Greenland Echograms Information in Google Earth

January 2012: Construction of a University Navigational Mobile Application

June 2011: Water-Quality Assessment of the Pasquotank River Watershed; Analysis of Dissolved Oxygen, pH, Salt, Total Dissolved Solids, and Conductivity