

Charlie Bridges Nelson

Temporary Address

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Permanent Address

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OBJECTIVE

Opportunity to utilize and/or enhance current knowledge and skills in computational research, or bioengineering research in preparation for graduate studies

EDUCATION

Kentucky State University 2014-present
Frankfort, Kentucky
Major: Computer Science
Minor: Mathematics
GPA: 3.8
Expected Graduation Date: May 2016

Bluegrass Community and Technical College 2010-2013
Lexington, Kentucky
Degree: Associate of Applied Science
Major: Computer & Information Technology
Concentration: Software Development
GPA: 3.2
Graduation Date: December 2013

EXPERIENCE

TEK Systems 2013
Lexington, Kentucky
Technical Support Specialist

RESEARCH/INTERNSHIP

Research Experience for Undergraduates in Ocean, Marine, and Polar Sciences 2015
Elizabeth City, North Carolina
Validation of the ABSB in the Southeastern Region of the Ross Ice Shelf, Antarctica
www.nia.ecsu.edu/reuomps2015/teams/antarctic

NASA Kentucky Space Grant Consortium and EPSCoR Programs 2014 - present
Kentucky State University / University of Kentucky
Frankfort, Kentucky
Improving Heat Shields for Atmospheric Entry: Numerical and Experimental Investigations for Modeling Ablative Thermal Protection System Surface Degradation Effects on Near-Wall Flow

Kentucky Housing Corporation (Internship)
Frankfort, Kentucky
System Administrator
Homeless Management Information System (HMIS)

2014

SKILLS

Adobe Dreamweaver	Java	Python
Adobe Photoshop	Linux	SeaSpace TeraScan
C++	Microsoft Office Suite	ServicePoint
CUDA	Mac OS	SQL
ENVI	Perl	Visual Basic
GPS	PETSc	
HTML	PHP	

CERTIFICATIONS

A+	First Aid	USCG Boating Safety
Computer Technician	Net+	
CPR	Security+	

SCHOLARSHIPS/AWARDS

Links, Inc. Scholar (Full Academic)	2014 - present
Dean's List	2014 - present
Outstanding Community Service	2015
Outstanding Achievement in Computer Science	2015

CONFERENCES

Supercomputing Conference 2014 (SC '14)	November 2014
Experiencing HPC for Undergraduates Program New Orleans, Louisiana	

IdeaFestival

Council of Postsecondary Education IdeaFestival Scholar Louisville, Kentucky	November 2014
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POSTERS/PRESENTATIONS

Employing Revision Control and GPU Accelerated Computation Technology to Numerical and Experimental Investigations for Modeling of Ablative Thermal Protection System Surface Degradation Effects on Near-Wall Flow	2015
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ACADEMIC/PROFESSIONAL AFFILIATIONS

Institute of Electrical and Electronic Engineers (IEEE)	2012 - present
IEEE Aerospace and Electronic Systems Society	2014 - present
IEEE Computer Society	2012 - present
IEEE Geoscience Remote Sensing Society	2015 - present
IEEE Life Sciences Community	2015 - present

IEEE Robotic and Automation Society
Alpha Kappa Mu Honor Society
National Society of Black Engineers
Rotaract Club

2013 - present
2015 - present
2015 - present
2014 - present