

Mark D. King

**Freelance Information Systems Manager / Webmaster /
Web Developer with Software Development Skills**

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PROFESSIONAL EXPERIENCE

Freelance Web Developer

Syracuse, NY, 2018–Present

Building new websites and enhancing the UI/UX of existing websites.

Information Systems Manager

Chesapeake Bay Governor's School for Marine and Environmental
Science, Warsaw, VA, 2017–Present (Freelance 06/2018–Present)

Oversee multiple information systems, including Schoology SIS, Knack
databases, and NWEA MAP testing.

- Manage student and faculty accounts in Schoology student
information system; expand use of Schoology beyond our initial
limited implementation; lead faculty workshops
- Implement Knack database management system to supplement our
current student information system
- Manage NWEA MAP administrator accounts for 14 counties served
by the governor's school; explore and implement applications of
MAP testing data for student assessment

Webmaster

Chesapeake Bay Governor's School for Marine and Environmental
Science, Warsaw, VA, 2013–Present (Freelance 06/2018–Present)

Develop, maintain, and update content for the school website.
Troubleshoot problems as necessary.

Mathematics Teacher

Chesapeake Bay Governor's School for Marine and Environmental
Science, Warsaw, VA, 2011–2018

Taught dual-enrollment courses in calculus and statistics at a regional public
magnet school. Previously taught algebra II and pre-calculus.

- Designed current governor's school statistics curriculum.
- Led teacher development session on classroom applications of
Arduino hardware and software. ^[1]_{SEP}
- Led grant-writing for three successful grants.
- Offered technology support for the Warsaw campus.

SKILLS

Ruby/Sinatra/Rails

C/C++

JavaScript (jQuery)

HTML/CSS

PHP

RESTful API Design

SQL

MongoDB

WordPress CMS

Webmaster Services

Student Information System Management

Database Implementation and Management

Data analysis

Microcontroller Programming

Critical Thinking

Organization

Stakeholder Communication

Grant Writing

Training and Professional Development

PROJECTS

github.com/gute73

EDUCATION

Doctor of Philosophy, Program in Ethics,
Philosophy, and Politics in the Study of
Religion, Indiana University, Bloomington, IN

Master of Divinity, Harvard University,
Cambridge, MA

Master Teacher, NASA Space Coast Scholars Program

NASA VA Space Grant Consortium, Hampton, VA, 2015–2017

Taught an online, STEM-based curriculum to high school students across Virginia and a week-long Space Coast Summer Academy at Wallops Island.

Teacher Chaperone, Building Leaders for Advancing Science and Technology (BLAST) Program

NASA VA Space Grant Consortium, Hampton, VA, 2016, 2017

Led a group of students through a four-day intensive science education and leadership camps at the University of Virginia (2016) and Old Dominion University (2017).

Summer STEM Camp Instructor/Curriculum Designer

Rappahannock Community College, Warsaw, VA, 2016--2018

Introduced advanced STEM topics to regional middle school students in week-long summer camp

- Taught students to use design software and a 3-D printer to brainstorm, engineer, and build their own inventions, including a capstone model rocket project (2016).
- Co-designed curriculum for Arduino-based camp that introduced students to basic C++ coding and engineering concepts (2017-2018).

Bachelor of Arts, Speech Communication & Religious Studies, University of Richmond, Richmond, VA

CERTIFICATION

Virginia Department of Education
Postgraduate Professional License #PGP-0667794

Endorsements: Mathematics, Gifted Education