

Mark D. King

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

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PROFESSIONAL EXPERIENCE

Freelance Web Developer

Syracuse, NY, 2018–Present

Designing and building clean, modern, and responsive websites in close communication with clients. Enhancing the UI/UX of existing sites.

Information Systems Manager

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

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

- Managing student and faculty accounts in Schoology student information system; expanding use of Schoology beyond our initial limited implementation; leading faculty workshops
- Implementing Knack database management system to supplement our current student information system
- Managing NWEA MAP administrator accounts for 14 counties served by the governor's school; exploring and implementing 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)

Developing, maintaining, and updating content for the school website. Troubleshooting 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 on Rails / Sinatra

C/C++

JavaScript (jQuery)

PHP

HTML5/CSS3

R, SAS

RESTful Web Services

API Integration

WordPress

GIMP

Information System Management

Database Implementation and Management

Microcontroller Programming

Critical Thinking

Organization

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

Bachelor of Arts, Speech Communication & Religious Studies (including 21 credits in mathematics and computer science), University of Richmond, Richmond, VA

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).

COMPETITIONS AND AWARDS

Hack Upstate XIII

The Tech Garden, Syracuse, NY, 04/2019

Two awards for team project: Parking Assistant app, which 1) helps the user manage odd/even street parking and 2) warns the user of crimes committed in the immediate vicinity of the chosen location using the Stae API

- First runner up
- Best use of Stae API