

# COREY SCHAFER

CoreyMSchafer@gmail.com

Online Portfolio: coreyms.com/portfolio

## EDUCATION

**Marshall University • College of Information Technology and Engineering • 2005-2010 •**  
Bachelor of Science in Computer Science with a minor in mathematics

•GPA in Major: 3.93 / 4.0 • Cumulative GPA: 3.29 / 4.0

Honors: 2010 Comp-Sci Outstanding Student Award, 2005 Buck Woodall Student-Athlete scholarship, placed in a District ACM ICPC Programming Contest

## EXPERIENCE

**Software Engineer • West Virginia University GIS Technical Center • 2012-Current**

- Develop and Design GIS Web Applications using the ArcGIS JavaScript API
- Write and publish geoprocessing services with Python and ArcPy
- Create backend user authentication systems using PHP and MySQL

**Sys Admin / Developer • NorthEast Natural Energy LLC • 2011-2012**

- Developed web scraping programs using Python for collecting competitive data
- Created and Maintained SQL Server databases

**Software Engineer • MATRIC • 2010-2011**

- Developed GIS Web Applications using ActionScript and the ArcGIS API for Flex
- Created original widgets for routing, mapping wind data, and simulations

**NASA: Launch Control System Application Services and Framework Team • 2009**

- Interned with a team developing a mobile application to view data remotely

## TECHNICAL SKILLS

### Languages:

- |                  |       |
|------------------|-------|
| •HTML, CSS, Sass | •Java |
| • Javascript     | • PHP |
| •Python          | •Ruby |
| •C++             | •SQL  |

### Tools, Frameworks, and Libraries:

- |                 |           |
|-----------------|-----------|
| •Git and GitHub | •Bower    |
| • Laravel       | • Angular |
| •WordPress      | •Backbone |

- Yeoman
- Grunt / Gulp

**Software:**

- Mac OS X / Linux / Windows
- Photoshop / Illustrator / GIMP

- Node
- Vagrant

- Chrome Dev Tools
- Sublime Text

## PERSONAL WEBSITES

### **CoreyMS.com • Creator, Writer, Administrator • 2014-Current**

- Personal WordPress blog about programming, web development, design, and more
- Perform system administration through SSH on a VPS running Ubuntu

### **Quonation.com • Creator, Developer, Designer, Administrator • 2012-Current • Side project created to practice frontend and backend web development**

- Designed relational database, log-in system, and custom voting/favoriting system
- Wrote a Python scraper to automatically collect and add quotes to the database

## VOLUNTEER EXPERIENCE

**Computer Assistance • Heritage Point Retirement Home • 2012-Current** Help residents with any computer problems for two hours each week. Mainly help with networking, typing, basic instruction, and troubleshooting.

### **FIRST Robotics • Marshall University • 2009**

Helped a local youth FIRST Lego Robotics Team in assembling robots, programming their functionality, and solving multi-solution problems

### **Marshall University Student Ambassador • 2007-2008**

Gave campus tours, organized promotional events, and ran summer orientation

## ACTIVITIES / HOBBIES

### **Robotics**

*Arduino Programming and studying electronics as a hobby*

### **Woodworking**

*Frequently designing and building new projects in the workshop*

### **Astronomy**

*Founder and former President of the Marshall University Amateur Astronomers Club. Held several star gazes around campus to get the public interested in astronomy.*

### **Outdoor Recreation**

*Kayaking, Hiking, Camping, Rock Climbing, Snowboarding, and Biking*

## REFERENCES

**References are available upon request**