Matthew Grasberger

mgrasber@gmu.edu

(804) 385-1811

Experience

Software Consultant, *Coveros*   *June 2016 - Present*
- Lead contributor to the open-source test automation framework, Selenified
- Implemented automated testing suite using Selenium based in-house test framework, Selenified Testing Framework for various web applications
- Automated security scans of various applications using OWASP ZAP and sqlmap
- Created a continuos development pipeline which automated the building, testing, and deployment of a PHP based web application using Nexus, AWS, and Chef.

Instructor, *STEM exCEL*   *September 2015 - May 2016*
- Instructed courses of up to 20 elementary age kids using tools like Scratch and GameMaker.
- Created curriculum for elementary age kids to teach programming with Scratch

Lead Instructor, *Mindframe Education*   *Febuary 2013 - September 2015*
- Developed technical courses for both children and young adults featuring Scratch, MIT App Inventor 2, Python, and Java.
- Trained faculty members at Virginia Academy on how to use Scratch to introduce kids to programming.

Research Assistant, *Visual Attention and Cognition Lab*   *December 2012 - May 2016*
- Worked with graduate researchers to design and develop scripts for different visual experiments using Python.

Confrence Presentations

STAREAST *Software Testing Conference*   *May 2018*
Automated Security Scanning for Your Delivery Pipeline

Independent Projects   **github.com/grasbergerm**

2048: Created a clone of the popular sliding-tile game 2048 using Python.

Reddit Background Changer: Pulls a random image from the top 25 images of a subreddit and sets it as the desktop background, programmed in Python using urllib.

Skills

Programming: Python, Bash, Java, C, PHP, Javascript, JSP, Haskell, Lisp, Ruby

Mobile Operating Systems: Android, Intermediate knowledge of iOS

Operating Systems: Mac OS X, Linux, Windows

Knowledge of: Jenkins, OWASP ZAP, sqlmap, Protractor, Cucumber, git, JUnit, Selenium, PMD, Findbugs, Cobertura, Android Studio, Xcode, HTML, CSS, Matlab, Mathematica

Languages: Portuguese, German

Education

B.Sc. Computer Science   *May 2016*
George Mason University, Fairfax, VA   *GPA: 3.25*