Matthew Grasberger

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(804) 385-1811

Experience

Software Consultant, *Coveros* *June 2016 - Present*
- Lead contributor to the open-source test automation framework, Selenified
- Created and maintained automated testing framework, providing testing for a multi-platform application using Selenium, Cucumber and Appium
- Automated security scans of various applications using OWASP ZAP and sqlmap
- Created a continuous development pipeline which automated the building, testing, and deployment of a PHP based web application using Nexus, AWS, and Chef
- Coached and mentored client leadership, teams, and individuals on improving product quality

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* *February 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 and Publications

SearchSoftwareQuality *TechTarget.com* *March 2019*
Apply automated security scanning during app development

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, Java, C, Javascript, Haskell, Lisp, Ruby

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*