Matthew Grasberger

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Education

B.Sc. Computer Science   *May 2016*
George Mason University, Fairfax, VA   *GPA: 3.15*

Related Courses:

Intro to Low Level Programming, Data Structures, Object Oriented Programming, Software Requirements/Design Modeling, Digital Electronics, Computer Systems and Programming, Computer Systems Architecture, Analysis of Algorithms, Design and Implementation of Software for the Web, Mobile Application Development, Security Engineering.

Experience

Instructor, *STEM exCEL*   *September 2015 - Present*
- 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 - Present*
Worked with graduate researchers to design and develop scripts for different visual experiments using Python.

Independent Projects   **github.com/grasbergerm**

2048: Created a 2048 clone 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

Skills

Programming: Python, Java, C, PHP, Javascript, JSP

Mobile Operating Systems: Intermediate knowledge of iOS, Android

Operating Systems: Windows, Mac OS X, Linux

Knowledge of: Android Studio, Xcode, HTML, CSS, Matlab, Mathematica, Lightroom, Photoshop, GIMP

Languages: Portuguese, German

Extracurricular Activities

Volunteer Instructor, Community Programming Initiative   *Fall 2013 - Present*
- Worked with Student-Run Technology and Computing club to create exercises for elementary school age children to learn the basics of programming using Scratch.
- Participated in teaching children from underprivileged locations in Washington D.C. and neighboring areas to introduce them to the concept of programming with Scratch.

Exchange Student, Rotary International Exchange Program   *Summer 2011 - Summer 2012*
Learned Portuguese through immersion, to establish rapport quickly with individuals in an unfamiliar environment, demonstrated willingness to take risks through enrollment in Portuguese-speaking curriculum, and developed ways to integrate with different cultures.