ALEXANDRA ORTH

EDUCATION

Columbia University Fu Foundation School of Engineering
Computer Science, Bachelor of Science (2011-2015)

SOFTWARE DEVELOPMENT EXPERIENCE

AppFirst, Inc.
Software Engineering Intern (May 2013-Present)
Won the AppFirst Internship Competition with a project that created server topologies based on process data.
Continued on part-time to write an AppFirst-specific javascript graphing library and integrated it throughout the product.
Worked as a part of the Apps team during summer 2014 writing various client-specific applications. Assisted in maintaining and debugging the codebase.

Columbia College Information Technology
Computer Programming and Desktop Support Intern (May 2012-May 2013)
Spearheaded deployment of 100+ new desktop systems throughout University
Assisted in Windows and PC equipment support for 500+ clients

RESEARCH EXPERIENCE

Columbia Speech Lab
Undergraduate Research Assistant (Spring 2013)
Project entitled "Text-to-Scene Images for Field Linguistics"

SKILLS

Java

3 years of experience with object oriented programming.

Python

Co-writer of many hacks, such as GetWithTheTimes, an app built on a python flask framework that presents NYTimes most viral articles. Experience using Django to work within large scale websites and to build stand-alone web apps.

Javascript

Author of AFGraph.js, a graphing library built on Rickshaw.js and d3.js for use within the AppFirst Correlate app. Contributor to various projects built using Jquery, Node.js and underscore,js. Familiarity with mapping software such s leaflet and d3.s using topojson.

OSX/Unix

OSX is my daily operating system and Terminal provides vital access to UNIX.

Git

My most used version control system. Familiar with Mercurial.

Other

Familiarity with Ruby on Rails, Sinatra, R, Flask, SQL and MongoDB

Software

Adobe Creative Suite, Gimp, Autodesk Maya, Sublime Text 3

Spanish
German

Native Spanish speaker; proficient in written and spoken Spanish.
Two years of university German; capable of holding basic conversations.