Andrew Burke
434 272 8753
andrewpeterburke@gmail.com
http://andrewpeterburke.github.com

SKILLS AND EXPERIENCE

- Languages - Python, Bash, Java, Perl, C++, C
- Development tools - Git, Vim, Eclipse, Visual Studios
- Databases - MySQL, SQLITE, MongoDB, sqlalchemy(Python ORM)
- Web and Text Scraping
- Web development with LAMP, Tomcat
- Linux systems programming with bash, C, and Perl
- Graphics and game development with SDL and OpenGL

EMPLOYMENT

Web Scraper/Developer
MyEdu, June 2010 - present
- Designed cloud framework to run scripts and keep data up to date and personally built scheduling component
- Improve and expand functionality of our propriety scripting language
- Write and maintain scripts to scrape schedules and booklists from websites of ~750 schools in addition to random web or pdf scrapes
- Helped train team members in using git, bash tools through msys, and MySQL
- Refactored repo into templating system to remove duplicate code files, cut out repetitions in workflow, reduced code size, and increased development speed on updating or creating new scripts

Software Development Intern
Humanitarian International Services Group, June 2009 - August 2009
- Fixed bugs and implemented new features for H.I.S.G.'s Data Fusion Suite, a multi-tiered application to assist nonprofits around the globe in the tracking of resources, people, and capabilities.
- Created a Mod_Python implementation of the Amazon S3 server library, to provide an easy, RESTful file storage interface

Undergraduate Lab Assistant
Baylor University Cichlid Research Lab, September 2007 - May 2009
- Designed database for the storage of biological data samples
- Accelerated data analysis by creating scripts to reformat and manipulate giant gobs of data
- Assisted in the analysis of microarray data in the R statistics environment

EDUCATION

Baylor University, Waco, Texas
Bachelor of Science in Informatics, Bioinformatics, August 2005 - December 2009