

Robert Kernan

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16 Arbor Way Drive, Decatur, GA 30030
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EDUCATION

Georgia Institute of Technology, Atlanta, GA
Bachelor of Science in Computer Science
Focus in Information Internetworks and Platforms
Major GPA: 3.38

Aug. 2013

TECHNICAL SKILLS

Languages

C, C++, C#, Java, Lua, PHP, Python, Ruby

Systems

Windows 95/NT/XP/Vista/7/8, GNU/Linux

Software

Ant, Clang (LLVM), CMake, Eclipse, GNU Compiler Collection, Make, Visual Studio

Revision Control

Git, Mercurial, Subversion

WORK EXPERIENCE

Southern Polytechnic State University, Marietta, GA
Lab/Teaching Assistant for CSE 1302: Introduction to Data Structures

- Assigned lab-work and taught supplemental material.
- Maintained office hours in the lab for students.
- Submitted software requests for lab equipment.

May 2010 - July 2010

PROJECTS

Geopost

<https://github.com/spardue/geopost>

Designed and developed a REST API for creating geo-tagged content using Python. Collaborated to build an HTML5 front-end that displayed geo-tagged content on a map using the Google Maps Javascript API.

June 2013 - Aug. 2013

Massive Open Online Course (MOOC) Teaching Assistant Manager

<https://github.com/kernan/MOOC-TA-Management>

Collaborated to design and build a web application for testing and managing teaching assistants for MOOCs using Ruby on Rails; utilized Twitter Bootstrap to create a reactive front-end. Included a REST API for all functionality.

Jan. 2013 - April 2013

International Community School Joomla Intranet

Collaborate to modify and complete and intranet using Joomla that enabled teachers to communicate with students about assignments and upcoming events.

Mar. 2012 - May 2012

Parser Generator and Regular Expression Language Interpreter

Created scanner, parser, and interpreter in Java for a regular expression language that could find, remove, and replace text patterns in a file. The scanner and parser tables were not language specific and could be generated by feeding the program a context-free grammar.

Nov. 2011 - Dec. 2011

Course Manager

Collaborated to create a web application using Grails that handled administrator, teacher, and student creation and associating courses with those users. Personally designed and implemented all authentication and authorization systems in the application.

May 2011 - July 2011