

Robert Kernan

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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. 2010 - Aug. 2013

TECHNICAL SKILLS

Languages: C, C++, C#, Java, Python, Ruby

Systems: Windows 95/NT/XP/Vista/7/8, GNU/Linux, OSX

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

EXPERIENCE

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

May 2010 - July 2010

PROJECTS

Geopost

June 2013 - Aug. 2013

<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.

Massive Open Online Course (MOOC) Teaching Assistant Manager

Jan. 2013 - April 2013

<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.

International Community School Joomla Intranet

Mar. 2012 - May 2012

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

Parser Generator and Regular Expression Language Interpreter

Nov. 2011 - Dec. 2011

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.

Course Manager

May 2011 - July 2011

Collaborated to create a web application using Grails that handled administrator, teacher, and student creating and course association. Personally designed and implemented all authentication and authorization systems in the application.