

Robert Kernan

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<https://github.com/kernan>

16 Arbor Way Drive

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EDUCATION

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

August 2013

TECHNICAL SKILLS

Languages

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

Operating Systems

• Windows 7 • GNU/Linux

Software

• Ant • Clang • CMake • Eclipse • GNU Compiler Collection • Jenkins • Make • MySQL • PostgreSQL • SQLite
• Visual Studio

Revision Control

• Git • Mercurial • Subversion • TFS

WORK EXPERIENCE

Noble Systems Corporation, Atlanta, GA
Quality Assurance Engineer

January 2015 – Present

- Tested frontend/backend products.
- Maintained automated test framework.
- Setup and maintained Jenkins build server.

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

May 2010 – July 2010

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

PROJECTS

Vector Math Library

April 2014 – Present

<https://github.com/kernan/math>

Built and currently maintaining a C++11 header-only library containing generic size and type vector and matrix implementations with specializations for 2, 3, and 4-dimensions. Includes a unit test suite built using Boost.

Geopost

June 2013 – August 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

January 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

March 2012 – May 2012

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