

Richard Gerdes

richgerdes.com | git.richgerdes.com/rich | github.com/roygoldman | drupal.org/u/richgerdes

Piscataway, New Jersey
Mobile: (973)-500-8655
richgerdesdesign@gmail.com
rich@richgerdes.com

Skills

Programming Languages: JavaScript, C, C++, C#, Python, PHP, Ruby, Swift, Java, Bash
Web Development: HTML5, CSS, JavaScript, JQuery, PHP, MySQL, MongoDB, Python, RESTful API, NodeJS
Frameworks: WordPress, Drupal, Symphony, Larvel, Zend, Cordova/Phone Gap, Django, Flask
Software: Docker, Apache HTTPd, Nginx, MySQL, GIT, Mercurial, Subversion, Apache Solr, OpenLDAP
Environments: Linux, Unix, Windows, Mac OS X, Android, iOS
Services: Amazon AWS EC2, Amazon RDS, Digital Ocean VPS Hosting
Development Software: PHP Storm, Eclipse, Visual Studio, Android Studio, Sublime, Vim, Nano
Networking: Network Setup/Administration, Cisco Routers/Switches, CiscoPrime, Ubiquiti EdgeOS and Unifi
Computer Repairs: Part replacement, Hardware Software Troubleshooting, Virus Remediation
Customer Service: Product Sales, Systems Support, User Support

Projects

Drupal - OpenAPI: <http://drupal.org/project/openapi>
Drupal - Advanced Access: <https://www.drupal.org/project/adva>
Drupal - Role Inheritance: https://www.drupal.org/project/role_inheritance
Drupal - Role Access Control: <https://www.drupal.org/project/rac>
Drupal - Webform Composite Tools: https://www.drupal.org/project/webform_composite
Drupal - Menu per Role: https://www.drupal.org/project/menu_per_role
FIRST Robotics Events API Client for PHP: <https://git.richgerdes.com/firstma/first-events-api>
JavaScript Discoverable REST API Client: <https://git.richgerdes.com/rich/openjac>
Arduino Laser Tag: <https://git.richgerdes.com/rich/lasertag>
Apache Virtual Host Auto Configure: https://git.richgerdes.com/rich/quick_certificate
Distributed Social Network: <https://github.com/roygoldman/DSN>
Distributed Network Election System: <https://github.com/roygoldman/ElectionSystem2>
BitTorrent Client: <https://github.com/Anzle/Kayoubi>

Education

Rutgers University - New Brunswick, NJ
Bachelor of Science, Computer Science - September 2012 to May 2016

Experience

Rutgers University Office of Information Technology Enterprise Client Services Help Desk - New Brunswick, NJ

Web Designer - April 2016 to Present

- Development, configuration, and maintenance of multiple University Websites
- Working with Drupal and WordPress to provide complete website solutions
- Development and maintenance of contributed public and open-source Drupal modules
- Development of custom Drupal and WordPress modules and plugins for custom functionality
- Setup and configuration of Apache Solr search backend and integration with Drupal websites
- Website configuration on Apache and setup for hosted services
- Site migrations Drupal 7 to Drupal 8 and WordPress to Drupal
- Development and maintenance of departmental payroll and scheduling application for IT support center staff
- Maintenance and development of intranet staff portal university support center groups
- Maintenance of University IT ticketing and issues tracking application
- Development and working with open source projects and software
- Automated testing and peer code review
- New service architecture and design

Freelance Technological Services and Software Development

Self-Employed - January 2013 to Present

- Website Development and Software Development
- Developing front-end applications using ReactJS
- Working with decoupled and headless Drupal projects
- Mobile application and Desktop Client Software development
- Need based project development using existing frameworks and technologies
- Development and maintenance of contributed public and open-source Drupal modules
- Required knowledge of current software development standards and technologies
- Network design, setup and configuration of Home and Office Networks
- Systems setup and administration for clients and projects
- Management of multiple simultaneous projects

BreMobile, Inc

Software Developer and Project Manager - August 2014 to Present

- Project Manager building a web/mobile advertising platform
- Managing a team of developers to implement expected functionality
- MySQL database architecture and design for mobile and web application

- Constructing an Model View Controller based framework for the website and api
- Lead Developer on PHP back end, PHP Driver Website and PHP Driven RESTful API
- Lead Developer on HTML5 based mobile application for IOS and Android Using Cordova Mobile Framework
- Setup and configuration of Linux web hosting environment using Apache, MySQL, and PHP (LAMP)
- Setup and configuration of Linux email service for company email services
- Managing source control with self-hosted private GIT repositories
- Employee account creation and access delegation
- Setup of internal account services using LDAP
- integration with Amazon AWS and RDS

Rutgers University Office of Information Technology Enterprise Client Services Help Desk - *New Brunswick, NJ*

Level 3 Supervisor and Network Support Supervisor - *November 2014 to May 2016*

- Supervise Level 1 and Level 2 Help Desk Staff
- Development of training materials
- Training and mentoring student support employees
- Scheduling of employee schedules and arrangement of in person appointments with staff
- Coordinate tracking, reporting, and the resolution of current issues between various departments and community members
- Tracking, review, and follow up on open support tickets to ensure that issues were resolved correctly and quickly
- Provide a professional level of technical support to university members
- Regular performance review of Level 1 and Level 2 consultants
- Assisting Level 1 Consultant with the resolution of difficult account issues
- Working with external departments to resolve complicated issues and requests
- Documenting troubleshooting instructions for Level 1 and Level 2 consultants
- Determining processes for troubleshooting and resolving issues
- Managing internal staff portal and internal documentation

Level 1 and Level 2 Networking, Escalation, and Application Support Consultant - *April 2013 to September 2015*

- Support for the Rutgers University Residential and Wireless Networks
- Troubleshooting networking and connection issues with patrons
- Virus removal and managing user access to the University Networks
- Monitoring designated systems and services for the Rutgers University Office of Information Technology
- Working in and monitoring the Central Machine Room for the University
- Recognizing and handling issues with University systems and services
- First level support for Rutgers University email, login, and assorted account services
- Supporting faculty, staff, and students of Rutgers University with assorted computing issues

Tri-County Audio - *Newton, NJ*

Sales Representative - *July 2013 to August 2013*

- Sales representative for an authorized Verizon retailer
- Technical recommendations and familiarity with product environment
- Worked with customers to provide the find device
- Knowledge of Verizon service packages and policies
- Setup and configuration of new devices for clients
- Troubleshooting and fixing issues on mobile devices

Volunteer Work

FIRST Robotics Competition

FIRST Technical Advisor - *December 2016 to Present*

- Managing technical volunteer team of 20+ members
- Responsible for event production and ensuring event runs efficiently
- Technical representative responsible for event operation and management
- Technical and logistical liaison between local event and organization headquarters
- Leads event technical setup and clean up, ensuring organization and solving problems which arise
- Technical advisor to 200+ high school robotics teams in the program region

Volunteer - *January 2013 to Present*

- Volunteering with the FIRST Robotics Competition helping to run Robotics Events for High School Students
- Mentoring high school students on for the FIRST Robotics Program Teams in engineering, programming, design, and marketing
- Teaching concepts of programming to new team members and helping them complete tasks

Mid Atlantic Robotics and the FIRST Mid-Atlantic District - *New Jersey, Eastern Pennsylvania and Delaware*

Information Technology Chair - *June 2016 to Present*

- Coordinate, Maintain and Organize email and web hosting services of Regional Robotics Competition Program
- Manage Google Apps account and profile
- Website and Application development and Maintenance
- Overseeing Organizations Social Media Presence

Equipment Representative - *January 2015 to Present*

- Overseeing competition field construction for high school level robotics competitions
- Coordination of tracking and organization of Organization equipment and supplies

Extracurricular ***FIRST Robotics Competition***

Captain and Team Member - *January 2010 to September 2012*

- Captain of a FIRST Robotics Competition Team
- Leading a team of high school students to design and build a robot to achieve a given task in competition
- Assigning tasks to complete design and build process during the six week build period
- Using various programming languages to control a motors, pneumatics and vision control for automated and autonomous control

Boy Scouts of America

Eagle Scout - *January 2012*

- Patrol Leader and Troop Officer
- Completed the requirements for and Received the Eagle Scout Award
- Planned, organized, and carried out landscaping and construction project