Charles Julian Knight

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http://www.linkedin.com/pub/charles-knight/27/b96/907

http://github.com/rabidaudio

Education

Fall 2012 - Spring 2015	B.S. Electrical Engineering	Georgia Institute of Technology
Fall 2009 - Spring 2012	B.A. Dual-Degree Program	Berry College

Technical skills

Programming

Familiar with:
- Javascript (Node, jQuery)
- Embedded C/C++
- PHP
- Python
- Ruby
- Perl

Projects

Wki.pe
URL shortener for Wikipedia articles. Started as an early foray into databases. Single-page web app with PHP backend. Learned git, SEO techniques, adaptive HTML5. Brushed up on CSS, jQuery, SQL. Source code on GitHub.

Car Music Player
Raspberry Pi MP3 player embedded into my dashboard. Wrote player application from scratch in Node.js; wired Arduino I/O board with RS232 interface to Pi; learned Node streams, serial communication.

More projects and information on my blog: http://blog.rabidaudio.com

Organizations

Spring 2014 - Present

Startup Exchange
Organizer   *Student organization to foster entrepreneurship and hacker culture on campus. Co-led the Maker team. Developed and maintained website, taught classes on web development with Ruby on Rails to six students, organized three and attended almost a dozen hackathons.*

Employment

May 2014–Present

TechJect, Atlanta, Georgia
Intern   *Managed collection of Wordpress sites including e-commerce and customer support sites; set up good coding practices on sites; optimized autonomous flight code for UAVs.*

Jan 2014–Present

GetNotes, Atlanta, Georgia
Developer   *Joined an Atlanta Ventures funded startup during their progress through the Flashpoint accelerator at Georgia Tech. Created and implemented features application independently in a rapid development cycle; patched bugs; advised on technologies and company direction; learned customer discovery processes.*

Sep 2012–Aug 2013

Norfolk Southern Corporation, Atlanta, Georgia
Co-op, Distributed Systems/AIX.   *Wrote automation scripts (perl/shell); worked with diagnostic reporting and resource inventory database; helped manage 10,000 sq. ft. datacenter; developed for and trained coworkers in SharePoint; developed application in Visio for visualizing datacenter layout; tweaked, deployed, and administered DokuWiki server.*

Aug 2009–April 2012

Berry College Office of Information Technology, Mount Berry, Georgia
Student Supervisor, Technical Support Desk.   *Provided technical support for faculty, staff, and students via phone, email, and in person; created and managed service requests and directed departmental calls.*