

RUSSELL FRANK

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EXPERIENCE

Rutgers, The State University of New Jersey • Central Systems & Services • Piscataway, NJ

Application Developer

January 2012 - Present

Student Systems Programmer

January 2010 - December 2011

- Algorithm design and implementation of the official Rutgers University Mobile Application, targeting iPhone, iPad, and Android devices utilizing the Appcelerator Titanium framework.
- Debugging the open source Objective-C / Java core of the Appcelerator Titanium framework and submitting patches to improve the project.
- Designing, implementing and maintaining the server side data aggregation components which gather information for display by the Rutgers University Mobile Application.
- Providing the initial research and development of open source software for enterprise-level servers throughout Rutgers University.
- Being part of a team responsible for building and maintaining RPM packages used throughout a user community of over 70,000 faculty, staff and students.
- Authoring user utilities, plugins, and a custom Rutgers branded theme for a customized version of the Roundcube Webmail Client.

Music Application • Burst Development • Warren, NJ

Co-founder, Co-developer, System Administrator

June 2007 - June 2009

- Designing, implementing and maintaining the Music Application, a Facebook application allowing users to post music to profiles
- Designing, implementing and maintaining a server infrastructure to handle the 2 million users and 40 requests per second load generated by the app.

Team 41 Robotics • First Robotics Competition • Warren, NJ

Lead Developer

September 2007 - June 2009

- Participated in the First Robotics Competition (FRC) Regionals New Jersey & New York in both 2008 & 2009; Participated in the FRC Nationals in 2008
- Designed and implemented a blob detection algorithm in C for image processing and artificial intelligence.
- Designed and implemented a depth perception algorithm which measured the distance from an object by utilizing stereoscopic vision.
- Won the FRC regional in New York and moved on to the National Competition in Atlanta, Georgia for the 2008 FRC season.

AWARDS

Appcelerator Mobile Innovator

Awarded 8/12 for open source contributions to the Titanium platform

Appcelerator Titan of the Month

Awarded 5/12 for contributions & open source projects related to Titanium

HackNY Fall 2012 Hackathon: Third Place

Awarded 10/12 for "TrollNet"

COMPUTER SKILLS

Languages C • C++ • Obj-C • Java • Python • Ruby • JS • PHP • Scala • Clojure • SQL

Frameworks Express • Ruby on Rails • Titanium • Codeigniter • iOS

Additional Skills RPM Building • L^AT_EX • Linux System Administration

EDUCATION

B.S. in Math & Computer Science expected in 5/2014

References Furnished Upon Request