Alexander Kyte

CONTACT INFORMATION	Rochester Institute of Technology: 2325 Nathaniel Rochester Hall Rochester, NY 14623	Home: 81 Coach Lantern ln Scarborough ME 04074

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OBJECTIVE

I am an RIT student with interests in compiler construction, language design, systems programming, security/cryptography, and mobile development seeking summer employment

EDUCATION

Rochester Institute of Technology - Rochester, NY
- Major: B.S. Computer Science
- GPA: 4.0
- Standing: Dean's List, National Society of Collegiate Scholars
- Minor: Applied Mathematics
- Expected graduation: January 2017

EXPERIENCE

Intelichek - Center Valley, PA   May 2013 - August 2013
Lead Developer   http://www.intelichek.com/

I oversaw the bootstrapping of a large consumer Ruby on Rails website and helped hire the team that took over the project when we left. The site is not yet launched.

MacSmith - Portland, ME   November 2010 - March 2011
Database and Networking Aid/Intern   http://www.themacsmith.com/onlinedata.html

I assisted in the repair and diagnosis of both consumer and school personal computers and servers.

TECHNICAL SKILLS

Languages
Python, Ruby, Java, C, Golang, x86 Assembly, Lisp, Haskell, Clojure, Coffeescript
Frameworks
Ruby on Rails, Ring, Revel
Operating Systems
Linux - API and Userland, FreeBSD - Userland
Public Code Samples
https://bitbucket.org/Alexanderkyte
https://github.com/Alexanderkyte

PROJECTS

Toy Language
I am currently working on a purely functional programming language which leverages the llvm platform for native code generation. It's primary inspirations are Scala, C, and Ruby.

Minimum Viable Window Manager
Wrote a small floating window manager (less than 229 SLOC of C) for linux/FreeBSD in order to learn the Xorg api and to gain experience designing reliable event-driven interfaces.

ShowMeTheCode
Wrote a naive parser for algebraic expressions with support for integrals and summations through higher-order functions. The script takes math and outputs python functions which evaluate the given expressions. This script slowly grew into an attempted web interface, and was left unfinished.

Quoridor
Wrote a small graph-based board game AI in a class setting.

EXTRACURRICULAR

CSH (Computer Science House)   http://www.csh.rit.edu/
A special interest house with a focus on computer science which puts one in contact with a diverse set of talented individuals with varied skills and majors.