Chris Arcand

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Washington, DC

EDUCATION

UNIVERSITY OF MINNESOTA

BACHELOR OF SCIENCE
COMPUTER SCIENCE
December 2013 | Minneapolis, MN
Software and Data Systems Development
College of Science and Engineering

BACHELOR OF MUSIC
MUSIC PERFORMANCE
May 2011 | Minneapolis, MN
Clarinet performance
School of Music | College of Liberal Arts

LINKS

Github:// **chrisarcand**
LinkedIn:// **chrisarcand**
Twitter:// **@chrisarcand**

COURSEWORK

Structure of Computer Programming I
Structure of Computer Programming II
Discrete Structures in Computer Science
Machine Architecture and Organization
Elementary Computational Linear Algebra
Program Design and Development
Algorithms and Data Structures
Intro to Operating Systems
Formal Languages and Automata Theory
Internet Programming
Intro to Computer Networks
Practice of Database Systems
Network Programming
Intro to Data Warehousing
Software Engineering I
Programming Languages

SKILLS

PROGRAMMING
Ruby • JavaScript {Node.js} • Python
Also versed in:
C • C++ • Java • SQL • HTML/CSS • PHP

OTHER
Unix-based systems (Linux & MacOSX)
Git • Amazon Web Services
Agile Development Methodologies
Full-stack responsibility

WORK EXPERIENCE

SPORT NGIN | SOFTWARE ENGINEER
August 2013 – Present | Washington, DC & Minneapolis, MN
- Developing a SaaS platform for amateur and professional sports organizations with applications built in Ruby (Ruby on Rails) and JavaScript (Node.js)
- Extensive experience with agile, full-stack development: building RESTful APIs, architecting internal DevOps tools with Ruby, and engineering large-scale web applications to thousands of clients.
- Embraced a leading role developing a substantial Rails application for a major national governing body and integrating it with the rest of the Sport Ngin platform.
- Co-authored a Ruby gem using the Amazon Web Services SDK to bring Amazon OpsWorks functionality to the command line for deployment, monitoring and configuring of applications. (Opsicle, found on GitHub)
- Telecommuting to Minneapolis office from Washington, DC since April 2014

NODUS, INCORPORATED | WEB DEV & SYSTEMS ADMINISTRATOR
September 2007 – August 2013 | Minneapolis, MN
- Wrote web applications for business clients to reduce overhead and simplify complexities.
- Helped develop and program an online maintenance application using Zend Framework (PHP) and MySQL for a major child care corporation. The application logs in users of different roles to add and process maintenance tickets from their nationwide chain of centers.
- Implemented a large content management system using Drupal 7 (PHP) and MySQL for a Minnesota environmental conservation council based in St. Paul. As well as present basic information about the council, it maintains a database of newsletters, calendar events, and conservation sponsors/donators.

MINNESOTA MUSCLE LABORATORY | NETWORK ADMINISTRATOR
September 2010 – August 2013 | Minneapolis, MN
- Administrated network servers in the University's datacenter running Windows Server, used for a variety of purposes including remote terminal services, cloud storage, domain control and Microsoft Exchange for calendars and email.

OTHER RELATED PROJECTS

- Implemented a language translator in C++ which converted a mock functional programming language to C++ using a modular development scheme. The four modules consisted of a scanner using regex, a recursive descent parser, an abstract syntax tree generator and a translator.
- Built a web application in Python with other computer science colleagues which scraped the UofM Classroom Viewer site to an SQL database and presented sorted information on classroom schedule gaps to find the most efficient places to study throughout the day; it used the Flask and Beautiful Soup Python libraries.