

James Stoddard

EDUCATION

University of Washington, Seattle, Washington

B.S in Computer Science

GPA 3.86

- Expected graduation date: June 2014

Notable courses

- Systems Programming, Operating Systems, Programming Languages, Data Management, Software Engineering, Probability and Statistics for Computer Science, Data Abstractions

OBJECTIVE

To secure a position developing innovative software solutions for challenging data problems.

PROJECT EXPERIENCE

Wind Tunnel Research Software

Undergraduate Research Leader

Winter 2010 – Spring 2011

Built software for analyzing aerodynamic experiments. Leveraged Arduino and .NET platforms. Integrated hardware with the custom software. Successfully deployed apparatus. Presented work at the University of Washington's Undergraduate Research Symposium.

Angular Momentum Simulation

Independent Physics Project

Spring 2011

Created a simulation of a physical system in software and verified its performance empirically. Developed a dimensional analysis library for use in scientific computing. Interfaced with 3rd party APIs to programmatically monitor lab sensors.

reBook, a Textbook Trading Web Application

Project Lead / Backend Developer

Fall 2013

Leading a team of developers on a software project of significant size. Conceived, proposed and specified the core ideas of the product. Engaged in backend development with the Ruby on Rails platform.

Desktop Publishing Business Solution

Architect / Developer

Summer 2006 – Spring 2008

Produced requirements and specifications for a moderately sized business application. Designed software to unify the print and web publishing process for a small magazine. Gained experience: C#, .NET, SQL, database design, source control and web technologies.

SKILLS

Strong Languages: Java, C, C#, Ruby, C++ **Exposure:** JavaScript, Haskell, ML, Lisp, Python
Web: HTML, CSS, jQuery, JSON API, Rails, ASP.NET
OS/Virtualization: Debian Linux (Ubuntu, Debian), Windows Server 2012, VMWare, Vagrant
Graphics: Adobe InDesign, Adobe Illustrator, Solidworks
Data: SQL, XML, Sqlite, MySQL, PostgreSQL, SQL Server
Version control: Git, Subversion

AWARDS AND RECOGNITION

Golden Key & Eta Kappa Nu Honor Societies

Member

2012-2013

RealNetworks & David N. Cutler Scholarships

Recipient

2012, 2013

Outstanding Undergraduate Research Achievement

Physics

2011