Ryan Davis

ryndvs96@gmail.com github.com/ryndvs96

Objective Looking for an internship that will take advantage of my programming abilities, help me to grow as a software developer, and enable me to add value to an interesting company.

Education

Purdue University *Expected Spring 2018*
Bachelor of Science in Computer Science GPA 3.65
Concentrations: Software Engineering, Foundations, Security
Dean's List Fall 2015
Semester Honors since Spring 2015

Skills

Skilled: Java, C++
Familiar: PHP, Haskell, SQL, JavaScript
Exposure: NodeJS, Redis, Ruby, CoffeeScript, LaTeX

Experience

Salesforce Pardot, Atlanta, GA *Summer 2016*
Software Engineer Intern
Converted the background jobs' infrastructure from MySQL to use a Redis NoSQL cache.

- Developed a neural network to predict customer deals based on their activity.
- Worked on production automating chat bots using Lita and Hubot frameworks.
- Exposure to development in a fast-paced continuous integration environment.

Havertys Furniture, Atlanta, GA *Summer 2015*
Software Engineer Intern
An Agile-based internship focused on exposure to software development in the real world.

- Wrote the base programs to generate all PDF reports.
- Developed service programs for large database manipulations.

Research

Computational Geometry *C++* *Spring 2016*
Researching with Professor Christoph Hoffmann to learn more about computational geometry using OpenGL and FreeGLUT libraries. Currently working with convex hulls of 2D polygons, basic point manipulation, and user interfacing to construct the 2D shapes.

Projects

Degrees of Separation *Java* *Spring 2016*
Web app that will find a series of friendship connections between any two given people.

- Constructed an efficient algorithm to find short paths of large database graphs.
- The project was developed in an Agile (Scrum) Team environment.

Algorithms *Java, C++, Haskell* *May 2015 - Present*
Implementation of algorithms with focus on time efficiency in topics including:

- Sorting, Minimal Spanning Tree, and Shortest Path Algorithms
- Word Search Solving
- Polyomino Construction

Activities

Purdue Competitive Programming *Spring 2016*
A competitive programming group with weekly competitions and group discussions. There is emphasis on algorithms and optimization in regards to time complexity and memory management. Recently working on dynamic programming and analysis.