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 GPA
M.S. in Computer Science *Spring 2019* —
B.S. in Computer Science *Spring 2018* 3.70
Concentrations: Theory of CS, Machine Intelligence
Dean's List since Fall 2015
Semester Honors since Spring 2015

Skills

Skilled: Java, Python
Familiar: C++, PHP, LaTeX
Exposure: SQL, Haskell, Git, Machine Learning

Experience

Salesforce Sales Cloud, San Francisco, CA *Summer 2017*
Performance Engineer Intern
Automated detection of performance deficiencies using supervised machine learning.

- Utilized a Decision Tree Classifier to get a causal analysis of slow processes.
- Scaled the project for integration with Salesforce's performance analytics.

Salesforce Pardot, Atlanta, GA *May - October 2016*
Software Engineer Intern
Converted the background jobs' infrastructure to use a Redis NoSQL caching system.

- Developed a neural network to predict customer deals based on their activity.
- Worked on chat bots that automate production using Lita and Hubot frameworks.

Teaching Assistant
Responsible for constructing and grading projects, homework, and practice assignments. Helped with weekly review seminars and assisted students during office hours.

- CS 381: Analysis of Algorithms *Spring & Fall 2017*
- CS 251: Data Structures and Algorithms *Fall 2016*

Research

Computational Geometry *C++* *Spring 2016*
Developed programs with Professor Christoph Hoffmann that evaluate and display conic sections based on the manipulation of line and circle formula. Applicable to constructing curves for airplane wings and fuselages.

Projects

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

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

Activities

Purdue Competitive Programming *Spring 2017 - Present*
A competitive programming group with weekly competitions and group discussions. The goal is to prepare for nationwide and international competitions. Each meeting puts emphasis on learning new approaches to problem solving.