

JASON KO

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COURSES

Machine Learning

Distributed Systems

Computer Algorithms

Data Structures

SKILLS

PROGRAMMING LANGUAGES

Python

C/C++

Java

SQL

Shell (sh, csh, bash)

SOFTWARE

MS Office

MS Visual Studio

Tableau

Maple

HONORS & AWARDS

Dean's List

Rensselaer Leadership Award

EDUCATION

Rensselaer Polytechnic Institute

CUMULATIVE GPA: 3.31

B.S in Computer Science

MAY 2016

M.S in Computer Science

MAY 2017

WORK EXPERIENCE

Optum - United Health Group

SUMMER 2016

Technology Development Program Intern

BOSTON, MA

- Created the "My Health Prognosticator" project, a predictive health tool that takes similar users' disease history and predicts illnesses that may develop
- Utilized various machine learning algorithms such as multivariate logistic regression and collaborative filtering that achieved a predictive accuracy of ~95%
- Presented a demo for "My Health Prognosticator" to the CIO, John Santelli

Fidelity Investments

SUMMER 2015

Software Development Intern

MERRIMACK, NH

- Created scripts using PowerShell that automated the task of querying millions of rows of sensitive data from a database, and placing it in an easy to read excel file
- Showcased bi-weekly demos of newly developed features and bug fixes to various groups of business representatives
- Worked two-week sprints in a Scrum/Agile environment, and was assigned a variety of tasks by the scrum master

Harvard Management Company

SUMMER 2014

Software Development Intern

BOSTON, MA

- Migrated two servers to new linux environments and created a new directory system to formalize the creation of new automation scripts to gather data
- Consistent use of documentation and version control managed between a team of three on over 800 shell files

PROJECTS

OkCollege

PRESENT

- Developing a web application to aid high school students in determining a suitable college based on their academics, preferences, and extracurricular activities

eMHub Management System

FALL 2015

- Created an information management system designed for Greek organizations with a team of three other developers using django python as an application framework

Stock Helper (stockhelper.altervista.org/stocks)

SUMMER 2015

- Created a self-updating web application that gathers historical intraday stock data for analysis and modeling

LEADERSHIP & ACTIVITIES

AID (Assisting Individuals with Disadvantages)

Volunteer Teacher

SUMMER 2013

- Traveled to the mountains of Taiwan to teach English to a group of underprivileged Taiwanese middle schoolers