

JASON KO

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SKILLS

PROGRAMMING LANGUAGES

C/C++ ● ● ● ● ●

Java ● ● ● ● ●

Python ● ● ● ● ●

HTML/CSS/
Javascript ● ● ● ● ●

PHP ● ● ● ● ●

SQL ● ● ● ● ●

Shell (sh, csh, bash) ● ● ● ● ●

MS Visual Basic ● ● ● ● ●

PowerShell ● ● ● ● ●

SOFTWARE

MS Office ● ● ● ● ●

MS Visual Studio ● ● ● ● ●

Eclipse ● ● ● ● ●

Tableau ● ● ● ● ●

Maple ● ● ● ● ●

HONORS & AWARDS

Dean's List, Rensselaer
Leadership Award

EDUCATION

Rensselaer Polytechnic Institute

B.S in Computer Science

M.S in Computer Science

CUMULATIVE GPA: 3.3

MAY 2016

MAY 2017

WORK EXPERIENCE

Optum - United Health Group

Technology Development Program Intern

SUMMER 2016

BOSTON, MA

- Created the "My Health Prognosticator" project, a predictive health tool for customers that takes a user's disease history and projects possible illnesses that may develop based on the outcome of similar patients' disease histories
- Utilized various machine learning algorithms such as multivariate logistic regression and collaborative filtering
- Presented demo for "My Health Prognosticator" to the CIO, John Santelli

Fidelity Investments

Software Development Intern

SUMMER 2015

MERRIMACK, NH

- Worked two week sprints in a Scrum/Agile environment, and was assigned a variety of tasks by the scrum master
- Created multiple scripts that automated the task of querying 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

Harvard Management Company

Software Development Intern

SUMMER 2014

BOSTON, MA

- Migrated two servers to new Linux environments using script conversions
- Consistent use of documentation and version control managed between team of three on over 800 shell files
- Collaborated with different branches of management in order to complete the process

Kumon Learning Center

Assistant Tutor

2010-2012

WESTFORD, MA

- Promoted students to learn the fundamentals of math and reading
- Taught students advanced mathematical and grammatical concepts far beyond their grade level

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

Stock Helper (stockhelp.ter.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)

SUMMER 2013

Volunteer Teacher

- Traveled to the mountains of Taiwan to teach English to a class of middle school students

NECYSC (New England Chinese Youth Summer Camp)

2010-2011

Counselor

- Supervised a group of young kids ages 7-14 throughout the day
- Ensured that safety and fun were the utmost priority while engaging in various camp activities