

Weston Jackson

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EDUCATION

Columbia University

B.A. in Computer Science

GPA: 4.14/4.00

Honors: Junior Phi Beta Kappa, *summa cum laude*, Dean's List (all semesters)

Awards: Computer Science Department Award, Certificate of Academic Excellence

New York, NY

May 2017

Coursework:

Analysis of Algorithms I/II

Advanced Algorithms

Complexity Theory

Graph Theory

Machine Learning

Combinatorial Optimization

Calculus I-IV/Linear Algebra

Probability and Statistics

Advanced Programming in C/C++

Computer Systems

Data Structures and Algorithms

Computer Graphics

EXPERIENCE

AppNexus

Software Engineering Intern

New York, NY

May 2016 – August 2016

- Created a standalone Scala application (RecoverData) that automated a time-consuming data recovery process
- Wrote production level Scala code that authenticated security with Kerberos, efficiently copied Hive tables between Hadoop clusters using distcp, and included dry run and rollback functionality
- Improved the data platform's job scheduler by writing the API call for ad hoc job processing
- Integrated RecoverData into the data platform's Python-Flask web framework using said ad hoc functionality

Goldsmith & Co.

Software Development Intern

New York, NY

June 2015 – Dec 2015

- Implemented additions to the company's Salesforce platform (Apex classes, triggers, and Visualforce pages)
- Developed a software package in Java that used Selenium API to scrape LinkedIn profile information from Google
- Created a Salesforce application that automated the company's weekly status reports
- Collaborated with other interns in researching buy-side institutional clients

TECHNICAL SKILLS

Languages:

Java, Python, C, C++, Scala, SQL, HTML/CSS

Operating Systems:

Mac OS, UNIX, Linux

Development Tools:

Vim, IntelliJ, Eclipse, Xcode

Other Applications:

LaTeX, Microsoft Office, Adobe Photoshop, Logic Pro

RESEARCH

Microbiome Clustering

Research Assistant

Columbia University

August 2016 - Present

- Working with Professor Itsik Pe'er on research pertaining to the Human Microbiome Project
- Developing a 2-way cluster membership model for DNA samples using Machine Learning techniques

Alarm Fatigue

Research Assistant

Columbia University

January 2017 – May 2017

- Worked under Albert Boulanger on research pertaining to combatting Alarm Fatigue
- Researched and implemented machine learning techniques to predict nuisance alarms from physiological data

SKILLS AND INTERESTS

- Languages: French
- Interests: Basketball, Golf, Music