

Weston Jackson

3672 Lerner Hall • New York, NY 10027 • 818-207-6118
weston.j.jackson@gmail.com • <http://westonjackson.github.io/>

EDUCATION

Columbia University

B.A. in Computer Science

GPA: 4.0/4.0

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, Data Structures, Machine Learning, Combinatorial Optimization, Graph Theory, Complexity Theory, Calculus I-IV, Linear Algebra, Probability and Statistics.

TECHNICAL SKILLS

Languages:

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

Operating Systems:

Mac OS, UNIX, Linux

Development Tools:

Vim, IntelliJ, Sublime, Eclipse, Xcode

Other Applications:

LaTeX, Microsoft Office, Adobe Photoshop, Logic Pro

EXPERIENCE

Department of Computer Science, Columbia University

New York, NY

Teaching Assistant

January 2017 – May 2017

- TA for “Analysis of Algorithms I” (CSOR4321): An introduction to the design and analysis of efficient algorithms.
- Held office hours, helped students with homework via Piazza, graded assignments, and proctored exams.

AppNexus

New York, NY

Software Engineering Intern

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.

New York, NY

Software Development Intern

June 2015 – Dec 2015

- Implemented additions to the company's Salesforce platform (Apex classes, triggers, and Visualforce pages).
- Developed a Java software package 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.

RESEARCH

Department of Computer Science, Columbia University

New York, NY

Research Assistant

August 2016 - Present

- Worked under Professor Itsik Pe'er on machine learning research pertaining to the Human Microbiome Project.
- Created and implemented a cluster clustering algorithm that better characterized a distribution of bacterial samples.

Center for Computational Learning Systems, Columbia University

New York, NY

Research Assistant

January 2017 – May 2017

- Developed a plan for combatting alarm fatigue in hospitals under research scientist Albert Boulanger.
- Implemented machine learning techniques in order to predict nuisance alarms from physiological data.

SKILLS AND INTERESTS

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