

Jefferson Lee

Software Engineering Student

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github.com/jeff3456

Education

New York University
Bachelor of Arts, May 2017
Computer Science and
Mathematics
Minor in Web Applications

Cumulative GPA: 4.0
Presidential Honors
Dean's List since Fall 2013

NYU Coursework:
Basic Algorithms
Operating Systems
Computer Systems Organisation
Discrete Mathematics
Linear Algebra
Calculus I, II & III
Introduction to Web Design

Udacity Coursework:
Developing Android Apps 2015

Coursera Coursework:
Machine Learning 2015

Skills

Proficient with:
Java, C, C++, Python, Parse,
Android, Processing

Familiar with:
Bash, Unix, HTML, CSS, Javascript,
MySQL, IA32-Assembly, MongoDB,
Octave, MATLAB

Design:
Adobe Photoshop, Adobe Illustrator,
Adobe InDesign, Balsamiq

Interests:
AI, Stand-up comedy,
Videogame design, Independent
films, Theoretical physics

Experience

Clinical ML Research Group, New York, NY Sept 2015 - Present
Undergraduate Research Assistant

- Implement Dual Coordinate Descent for Logistic L1 Regression using Python sciKit-learn to classify early diagnosis of diabetes
- Scale and implement abstraction for analysis framework to classify any predictable diseases with large medical record data

Google Inc., Mountain View, CA Mar 2015 - Aug 2015
CodeU Developer

- Learned to design and develop Conscribo Android application with a team of 2 using Android Studio
- Completed weekly assignments in Java that apply essential algorithms and data structures used in software engineering

NYU Courant Institute, New York, NY Jan 2015 - Apr 2015
Data Structures Tutor

- Devoted 7 hours per week teaching students important algorithms and trade offs in sorting, searching and graph traversal
- Led group discussions with ~6 students on how to design and integrate data structures into large Java projects

thinkplay, New York, NY Sept 2014 - Feb 2015
Software Engineer Intern

- Fixed the "phantom backend" bug by implementing unix commands in Java to kill zombie backend processes at startup
- Responded 4 software testers' issues by re-designing and engineering user interface to maintain user satisfaction within 2 weeks

Projects & Leadership

Conscribo Android App June 2015 - Present
Android Developer

- Developed and shipped 4 core features and 4 user interfaces of Conscribo in 1 week
- Engineered back-end database management and server query system with Parse Cloud app platform
- Implemented a ListView that dynamically displays the hierarchy and depth of an n-ary tree node with dividers
- Designed the front-end (icons, wireframes and user experience) from scratch using Balsamiq and Photoshop
- Led and facilitated 14 meetings dedicated to the development, system architecture and engineering of Conscribo

Tech@NYU Sept 2014 - Present
Executive Board Member

- Coordinate food, venue, sponsorship and agenda of events called "Demo Days" that showcase student developed technology and entrepreneurship
- Manage social media such as Facebook, Twitter and Meetup for marketing of 6 events to reach audience of ~2000 undergraduates