Reza Nayebi

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Education

Columbia University, *New York, NY*   expected May 2016
BS in Computer Science (Intelligent Systems track) with a minor in Music, 4.07 GPA, Honors: Dean's List.

Lycée Alexandre Dumas, *Saint-Cloud, Ile-de-France, France*   June 2012
Highest Honors (Félicitations), "Mention très bien" at the French Baccalauréat (Highest Honors)

Skill Development

GoogleJump, *Mountain View, CA*   March-August 2014
GoogleJump consists in a virtual development project over the course of 6 months and in its eventual presentation to the other participants and a panel of Google engineers. Along with two other college juniors, I created CutthroatCoding, a web application that allows users to take part in programming duels in their favorite language. My team won the people's choice award.

Google Android Camp, *Mountain View, CA*   June 2013
A one-week educational program on Android application development for a select group of 20 undergraduates/sophomores studying computer science

Work Experience

Paperless Post, *New York, NY*   June-August 2015
Intern (Software Development)
At Paperless Post, I worked with the Events team to help integrate third-party services such as Uber, Google Now or Inspectlet to the application, providing a better experience for event attendees and metrics to understand the way users interact with the website. I also helped redesign the website's responsive event and settings pages using React components as well as Rails in the back-end.

KweekWeek, *London, UK*   July-August 2014
Intern (Front-End Development)
I interned for KweekWeek, an event discovery platform based in London. I worked with the front-end team to create a new dashboard for event promoters. I used Haml, Sass and CoffeeScript along with modern frameworks and libraries such as Bootstrap and jQuery to provide event promoters with a more efficient way to manage their ticket sales and guest lists.

Technical Skills

Programming Languages
- Expert: Java, Python, C/C++
- Proficient: Ruby (Rails), JavaScript (React, AJAX, jQuery), Haskell, Matlab, SQL

Projects
Apollo: An Algorithmic Music Composition Language
Along with four other teammates, I created Apollo, a functional programming language that leverages the power of algorithms to produce original music in a straightforward and elegant way. Apollo is intended to be usable by a programmer with knowledge of basic functional constructs and no prior experience with music creation. Apollo empowers the programmer to hear the sound of algorithms and the musician to compose in code. It is implemented in Haskell using Happy (Yacc), Alex (Lex) and Haskell's MIDI library.

Review Rating System
I worked with three other students on a system that uses the Yelp dataset to predict user rating and extract the most positive or negative words from a Yelp review using its text alone. It is implemented in Java using Weka as well as the Stanford CoreNLP toolkit.

Extracurricular

Music

- Piano and music theory classes for 8 years at the Conservatory of Boulogne-Billancourt
- Knowledge of sequencing (Ableton, Logic) and sound synthesis using both virtual and analog synthesizers

Languages
Fluent in French, English, Farsi and Spanish