Curran K Bhatia

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Education

University of Illinois at Urbana-Champaign Urbana, IL
B.S. Computer Science and Statistics *Expected May 2018*

Languages*: Java, C, C++, Python, Javascript*
Tools and Libraries*: Maven, Pandas, Pyplot, Biopython*

Experience

Salesforce San Francisco, CA
Software Engineering Intern *June - August 2017*

- Worked on internal build technologies and tools, involving Maven and Maven 2 Eclipse, as a part of Productivity Cloud within Core Engineering.
- Worked on range of different features in Java, from http requests to configuring workspace environments in Eclipse.
- Learned about standard Java development practice, including proper structure for development, testing and dependencies.

Cisco Systems San Jose, CA
Software Engineering Intern *June - August 2016*

- Worked as a front-end developer for Cisco's Cloud Services Platform 2100.
- Added features and fixed bugs of CSP 2100, increasing functionality and usability to GUI, using HTML, CSS, Javascript, and jQuery.

Projects

Stock Data Summer 2016 - Present

- Developing tools to analyze the stock market with Python and Yahoo Finance's API.
- Created a tool to find stocks that have strong correlations given a set time frame.
- Created an indicator that tells whether stocks show signs of approaching valley, and are likely to increase in price.
- Used Pyplot library to visualize stock performance and understand analysis indicators - https://github.com/currankbhatia/StockData

Project Oasis – *http://cuprojectoasis.com/* Fall 2016

- Completed a redesign of website from scratch that helps new immigrants find resources in the Champaign-Urbana area.
- Worked with peer; used HTML, CSS, and AngularJS.
- Created web templates to pipeline json data into different parts of the website, based on given tags. - https://github.com/dominicle8/project-oasis_v2

Phylogenetic Trees – *Bioinformatics* Spring 2016

- Part of a team that created a program that takes inputted DNA and finds other DNA similar to it in other species to create an ancestry tree, a Phylogenetic Tree.
- Implemented a Smith-Waterman Dynamic Programming Algorithm to find the best sequence alignment and sequence alignment score.
- Project written in Python, using Biopython library, along with NCBI's Database and BLAST Tools. - https://github.com/currankbhatia/BioProj

Activities

Orientation Leader Summer 2015

- Led a group of new international students on a one-week orientation of the UIUC campus.