Ritwik Dutta

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Summary

◇ Looking for a software internship for Summer 2018

◇ Passionate about computer science and experienced in full-stack software development

◇ University of Massachusetts Amherst, Class of 2020, Computer Science Department

Skills

Programming	Python, Java, C/C++
Web Development	HTML, CSS, JavaScript, jQuery, Bootstrap, Flask
IDEs/VCS	Visual Studio, Git, Eclipse, IntelliJ, PyCharm
Graphic/AV Design	Adobe Photoshop, Adobe After Effects, Adobe Lightroom

Professional Experience

Apple Inc.   apple.com   Software Engineering Intern, May - September 2017

Worked on the software automation team to create a platform for data analysis and visualization to understand company-wide data.

Languages used: Python, Scala

Nod Labs   nod.com   Software Engineering Intern, May - August 2016

Maintained and improved Nod's in-house testing platform for 6-DoF positional tracking for Virtual Reality (VR) applications, and created and maintained plugins that allowed product extensibility to the OSVR and Unreal platforms.

Languages used: C++, WinAPI, Python

Lytmus   lytmus.io   Software Contractor, October 2015 - January 2016

Tested a virtual-machine based platform to allow applicants demonstrate their knowledge to potential employers in a practical setting. Performed quality analysis of the tests to help increase the value of test results.

Languages used: Python, JS, SQL, Java

MaxKeyboard   maxkeyboard.com Frontend Developer, June - July 2014

Developed custom web application that allowed customers to design and configure custom keyboards online. The entire keyboard was dynamically rendered using < 300KB, saving resources, decreasing load time, and increasing the speed of using the application.

Languages used: HTML, CSS, JavaScript

Academic Research

Carnegie Mellon University   Summer 2015

Big-data analysis to determine fairness of scientific collaboration networks in academic conferences.

Paper: http://ritwikd.com/assets/pdf/cmupaper.pdf

Georgia Institute of Technology   Summer 2014

Development of an open-source full-stack software infrastructure for computer-aided sensor-based custom monitoring of long-term-care patients in smart homes.

Paper: http://ritwikd.com/assets/pdf/gtconf.pdf

Software: https://github.com/ritwikd/gt-dashboard

Projects

PyLight	audio visualizer for programmable RGB lighting	GitHub
SummonBot	Reddit scanner to notify users when mentioned	GitHub
PyFastFingers	ncurses based terminal typing speed tester	GitHub
K.A.R.E	GitHub recommendation engine	GitHub
RPNcalc	a command-line Reverse Polish Notation calculator	GitHub

Personal

⋄ American citizen, native English speaker

⋄ Enjoys programming competitions and hackathons

⋄ Fan of country and rock music, comedy and sci-fi movies