RITWIK DUTTA

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EDUCATION

University of Massachusetts, Amherst
Computer Science · Sept 2016 - Present

SKILLS

Programming — Java, C/C++, Python
Web Development — HTML, CSS, JavaScript
IDES/VC — Visual Studio, Git
Graphics/Design — Adobe Photoshop, Adobe AfterEffects

RESEARCH

Carnegie-Mellon
Summer 2015 — Worked with Prof. Radu Marculescu in the ECE department on analysis of academic social networks to determine fairness of scientific collaborations.

Georgia Tech
Summer 2015 — Worked with Prof. Marilyn Wolf in the ECE department to create a free and open-source full-stack software system for monitoring long-term-care patients in smart homes.

"An Extensible Software Infrastructure for Computer Aided Custom Monitoring of Patients in Smart Homes," *International Conference on Systems and Software Engineering (ICSSE),* Miami, USA, March 9-10, 2015

EMPLOYMENT

Nod Labs
Software Eng Intern
May - Aug 2016 — Maintained and improved in house positional tracking test platform and created plugins to use positional tracking with other VR platforms.

Design Everest
Data Scientist
Aug 2016 - Present — Utilized previous experience with data analysis in order to draw inferences and facilitate the ease of customer interaction and engagement

Lytmus
QA Contractor
May - Aug 2016 — Performed quality analysis of programming aptitude measurement tests to help increase the value of various applicants' test results.

PROJECTS

pylight — Audio visualiser for programmable RGB lighting
summonbot — Scans reddit to notify users when mentioned.
PyFastFingers — ncurses based terminal typing speed test.
K.A.R.E — GitHub repository recommendation engine.
nginx Portable — Portable version of nginx web server.