

Adnan Shaikh

adnan.shaikh1806@gmail.com | +1 (469) 920 1534
www.adnanshaikh.com | github.com/adyshake
Dallas, TX

Work Experience

- Persistent Systems** Pune, India
Software Engineer Jul. 2017 - Mar. 2019
 - Ported Sentient's agent-less client from Java to C++ to improve runtime performance and reduce its memory footprint for low-spec ATMs.
 - Solved major critical crashes and refactored major portions of the codebase to increase the reliability of the system.
 - Converted the client from a console application to a Win32 service.
 - Created Windows Installer (MSI) merge modules and installers using InstallShield along with build automation scripts.
- Persistent Systems** Pune, India
Academic Intern Aug. 2016 - Dec. 2016
 - Designed and implemented an agent-less approach for an end point detection and response solution, in order to get the real time status of nearly 10,000 cross platform enterprise endpoints.
 - Increased query throughput by nearly 3x by implementing a thread safe cache to reduce authentication requests.
 - Wrote a Windows DLL in C++ to interface COM/DCOM functions over to Java using the Java Native Interface.
 - Implemented various queries such as security, system alerts, hardware details, running processes, etc. as per the design specification.
- Persistent Systems** Pune, India
Summer Intern Jun. 2015 - Aug. 2015
 - Worked on reducing the lexical ambiguity and the global name space burden of Python 3.
 - Extended Python 3 by providing support for Devanagari numbers and various Unicode math characters.
 - The modified CPython source is capable of doing math in Devanagari numbers and supports math operators in Unicode like union, intersection, subset, etc.

Education

- University of Texas at Dallas** Dallas, TX
Master of Science in Computer Science Aug. 2019 - Expected May 2021
- Vishwakarma Institute of Technology** Pune, India
Bachelor of Technology in Computer Engineering Jul. 2013 - May 2017
 - Graduated 1st Class with Distinction
 - Final Year Project: Grammar correction using a Recurrent Neural Network
 - Relevant Coursework: Design & Analysis of Algorithms, Theory of Computation, Artificial Intelligence, Operating Systems, Distributed Computing, Business Intelligence