Adnan Shaikh

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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.
  - 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.
  - Modelled various sequence diagrams of the system to add to its documentation.
- **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 - Present*
- **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