

# ADITYA DALAL

**EDUCATION**   **Rutgers University, School of Engineering, New Brunswick, NJ**   **May 2016**  
 B.S., Biomedical Engineering. Graduated Magna Cum Laude  
 Slade Scholar; Member of Rutgers Engineering Honors Academy.

**WORK**   **Technology Analyst, Goldman Sachs**   **July 2016 – present**  
**EXPERIENCE**   Creating a new system to facilitate automating journaling against company ledgers  
 Java 8 / Beam / AngularJS

Was part of the core team that created the platform to perform rule-based anomaly detection on financial transactions  
 Java / Spark / Hadoop / Akka / Hive

**Technology Summer Analyst, Goldman Sachs**   **June – September 2015**  
 Created an application to facilitate client on-boarding for liquidity management

**ResNet Dispatch Consultant, Rutgers University**   **June 2013 – August 2015**  
 Assisted patrons with internet connectivity and configuration issues

**Computer Technician, E. Windsor School District**   **June – September 2012 & 2013**  
 Deployed Windows 7 in an enterprise environment and scripted installers

**LAB EXPERIENCE**   **Mark Pierce, BME Laboratory, Rutgers University**   **September 2014 – present**  
 Created optimized parallel computation code in MATLAB to drastically speed up image processing for experimental purposes.

Developed a MATLAB-based image processing pipeline and GUI for real-time analysis of in situ cellular imaging via high-resolution fiber optic microendoscopy

**Neuropharmacogenetics Laboratory, Rutgers University**   **June 2013 – September 2014**  
 Recipient of Byne-Aresty Research Grant for developing and implementing a protocol to record mouse behavioral patterns, feed video into an analysis program, set image processing parameters, and display output in a concise format for further analysis

**MISC**   **Hackathons (2012 - 2016)** – projects include a facial recognition-based login system; interactive flashcards using the LeapMotion; an API for selfies; Red Light, Green Light with Philips Hue and pebble; Foursquare for dumb phones; an inspirational text sender and semantic/mood analysis of Twitter data. Mentored at HackRU and HackHers.