

Neal Parikh

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Experience

Morningstar, Software Engineer

July 2016 – Present

Equity Data/Markets - Data Technology (Fall 2017 to Present)

- Java development for a new data lineage API used to verify and link calculated data points to their raw data points in the original financial filing
- C++ development to calculate and add Option Greeks to our real-time data feed
- Performance tuning of an Apache Tomcat 8 server farm for high-throughput, fast-fail

API Gateway - Morningstar as a Service (Spring 2017 to Fall 2017)

- Lead developer on Morningstar's cloud-based API Gateway which is intended to replace Apigee as our current, on-premises provider
- Architected and built an API authentication and entitlement system which allows concurrent access of Morningstar APIs in a unified manner
- Taken the project from conception to production in under six months
- Technologies Used: Various AWS services such as API Gateway, Cognito, and DynamoDB, with Node.js lambdas and Terraform scripts

Developer Site - Enterprise Components (Summer 2016 to Spring 2017)

- Part of a global, agile, team to build Morningstar Developer (developer.morningstar.com), which showcases various Morningstar GUIs and APIs
- Assumed additional responsibilities to make architecture decisions as well as establishing codebase standards between our Chicago and Shenzhen teams
- Technologies Used: Drupal CMS, PHP, Apache Solr, and JS

U-M CAEN, Student iOS Developer

May 2015 – May 2016

- Worked part-time with CAEN's Instructional Technology division
- Created an iOS application written in Swift to control classroom A/V technology
- Upgraded an existing Objective-C application which is used to reserve group study areas

Education

Georgia Institute of Technology, College of Computing

Aug 2017 – Present

- M.S. in Computer Science, specializing in Machine Learning

University of Michigan, College of Engineering

Sept 2013 – May 2016

- B.S.E. in Computer Science, Cum Laude. Completed in three years.
- President of the Engineering Student Government and Student Body (2015-2016)
- Recipient of the Engineering Scholarship of Honor
- Recipient of the 2016 Engineering Distinguished Leadership Award
- Member of the Epeians Engineering Leadership Honor Society
- Study Abroad Exchange Program at Shanghai Jiao Tong University (Summer 2014)

Languages

C++, Python, Java, Javascript