

# Aneel Nazareth

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## Recent Experience

### **RetailMeNot** *Austin TX, March 2014-Present*

Led RetailMeNot's Core Business Algorithms team

*Keywords: Python, MongoDB, RabbitMQ, AWS, MySQL, PHP*

#### **Software Development**

- Designed system to decide which coupons to show on RMN's merchant pages, the heart of the site. Brought together data from disparate sources for efficient processing of millions of coupons for tens of thousands of merchants every half hour.
- Refined heuristic and machine learning algorithms to determine what order to show those coupons
- Ensured that the coupon selection and ordering process could scale horizontally to support multiple A/B tests being run at once
- Parallelized algorithm training and processing using producer/consumer model

#### **Production Support**

- Diagnosed, triaged, and fixed urgent problems in multiple codebases
- Managed Amazon Web Services resources, including EC2 servers and RDS databases
- Managed the RMN site release process and load testing
- Responded to malicious traffic

#### **Mentorship & Recruiting**

- Developed and taught a workshop in scoring algorithm design
- Mentored interns and junior software engineers
- Represented RMN at college career fairs
- Conducted on-campus and on-site interviews

### **Independent Software Development** *2009-2014*

Designed, coded, and released iOS and MacOS X applications

*Keywords: Objective-C, Cocoa Touch, iOS, Core Data, MacOS X*

#### **Barbell Bulder iPhone app**

- Created app to calculate optimal barbell loading for weightlifters
- Developed algorithm to figure out what plates to put on the bar
- Developed UI elements to display and manipulate barbells
- Took project from conception to release on the App Store

#### **Identity MacOS X app**

- Created application that Identifies and removes duplicate files

## Selected Other Experience

### **Shockwave.com** *San Francisco CA, 2005-2009*

Created backend for multiplayer gaming and chat. Games included poker, billiards, and real-time 3D naval combat.

*Keywords: Java, Python, Networking, Service Discovery*

### **Spinner.com/AOL Streaming Operations** *San Francisco CA, 1999-2000, 2002-2004*

Developed server software for Internet radio. Managed large cluster of servers. Created system for service monitoring.

*Keywords: Java, Perl, Streaming Music, RRD, System Administration, Linux, Solaris*

### **MIT Campus Wide Information Systems** *Cambridge MA, 1996-1997*

Created first web campus map of MIT. Maintained the official MIT web pages.

*Keywords: Perl, CGI, Mapping*

## Education

### **Massachusetts Institute of Technology** *Cambridge MA, 1994-1998*

Bachelor of Science degree in Mathematics with Computer Science (18C)

## Work/Life Balance

### **Geometric Art**

Using Processing to project animations on the surface of a [purpose-built geodesic dome](#). [Github](#). [Instructables](#).

### **Travel**

47 Countries, 43 States, [10,000mi by car from London to Mongolia](#), 30,000mi by motorcycle around the US, Canada, and Mexico.

Interest in mapping, data collection, and location technologies.