# Nishad Agrawal

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**EDUCATION**

**Duke University** — Durham, NC
*B.S. in Electrical and Computer Engineering*, May 2017 — Dean's List, GPA: 3.918
*Double Major in Computer Science*

**University School of Milwaukee** — Milwaukee, WI
*High School Diploma*, May 2013 — Salutatorian, GPA: 4.23

**RELEVANT COURSEWORK**

Operating Systems (Java, C)     Design & Analysis of Algorithms
Software Design & Implementation (Java)     Computer Architecture (C, MIPS)
Data Structures & Algorithms (Java)     Discrete Math in CS (Scheme)
Comput. Methods in Eng. (MATLAB)     Fundamentals of ECE (Arduino)

**TECHNICAL EXPERIENCE**

**Epic Software Development Intern** — Summer 2015
- Developed ASP.NET MVC app to visualize medical location data with Leaflet.js
- Built analytic tools like time-lapsing disease spread, custom patient filtering, and plotting user-defined metrics using jQuery and Bootstrap
- Managed team of 4 in creating geospatial data infrastructure in existing SQL Server data warehouse and presented at division meeting to 300 people

**TeraMedica Software Development Intern** — Summer 2014
- Produced JUnit test code and developed web app to run database integration tests across Oracle, SQL Server, and DB2 using JSF
- Surpassed initial project goal of 60% code coverage in single module, went on to double test coverage across entire 300,000 line code base

**Duke Peer Tutor: EGR 103L, CS 201** — Fall 2014, Fall 2015
- Work individually with students on problem sets and preparing for exams
- For introductory programming courses taught in MATLAB and Java

**PROJECTS**

**I'm Free** — Summer 2015
- Web app built with Meteor.js to let users manage and share their free time
- Uses Google Calendar API, MongoDB, and Materialize

**Vooga Salad** — Fall 2014
- Developed modular JavaFX front-end to create and play real-time strategy games
- Managed communication and deadlines across 10 student developer team

**Dr. Dawg Restaurant Android App** — Summer 2013
- Independently contracted to build app with customized menu ordering system, Google Maps directions, and Facebook interaction

**SKILLS**

**Languages**: Java, C#, HTML/CSS/JavaScript, SQL, C, Assembly, Scheme, LaTeX
**Tools**: ASP.NET, Bootstrap, Gradle, JavaFX, Jenkins, jQuery, JUnit, Maven

**LEADERSHIP EXPERIENCE**

**Duke Game Operations Assistant** — Fall 2013 - Spring 2015
- Set up, run, and break down NCAA Division I athletic events and championships
- Work with athletic department, varsity teams, facilities staff, and spectators

**Prefect** — 2012-2013
- School's highest elected leadership position in student government
- Run disciplinary committee and organize student events to foster school spirit
- Facilitate communication between teachers and students

**Varsity Baseball Shortstop** — 2010-2013
- 2013 Captain, 2nd Team All-Conference, 2010 State Champion
- Started 75 consecutive games across 4 seasons

**LANGUAGES**

English, Spanish, Marathi, and Hindi