Eashwar Mohan

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Education

University of Michigan
BS Engineering 2021
College of Engineering Undergraduate
Focus in Computer Engineering and Computer Science

Okemos High School
High School Diploma 2017
GPA: 3.994
Dual Enrolled at Lansing Community College – Courses taken: Multivariable Calculus, Linear Algebra, GPA: 4.0

Employment

Delta Dental of Michigan · Okemos, MI
Software Engineering Intern
Jun/17 – Aug/17, Jun/17 – Aug/17
- Integration of OIDC/SecureAuth authentication with desktop clients and web applications
- Designing and implementing a RESTful API using JPA, Hibernate, JBoss/Wildfly, and EJB
- Gained experience with shell scripting, migration of Java codebases from ant to maven, basic SQL querying

FRC Team 1504 – The Desperate Penguins · Okemos, MI
Lead Programmer (2014-2017) and Team President (2015-2017)
Sep/13 – May/17, Sep/13 – May/17
- Led the design and build of a robot in the span of 6 weeks
- Taught Java programming to new members of the team
- Led strategy discussion with other teams and the presentation of project information to inspectors through state-wide competitions.
- Gained experience with multi-threaded programs, thread pooling, hardware/software interfacing,, bitmasks, bit shifting, and bitwise operators, wiring/electronics, image processing, problem solving and debugging

Activities

Music
- – Michigan State University – Spartan Youth Wind Symphony – Principal Bass Clarinet (2013-2017)
- – Michigan School Band and Orchestra Association – All-State Band/Orchestra – Principal Bass Clarinet (2012, 2013, 2015, 2016, 2017), Clarinet II (2017)
- – Bass Clarinet and Clarinet Performance under the guidance of Susan Karnes (2012-2015) and Michael Fox (2015-2017).
- – Music Theory and Piano Performance under the guidance of Gerardo Ascheri (2006-2017).

Okemos High School Quiz Bowl · Varsity Member   Sep/13 – Apr/17
- Helped team qualify for national championships in 2016 and 2017

Volunteering

National Honors Society Member   May/15 – May/17
Okemos, MI
Okemos High School Blood Drive
   2016-2017. Room set-up/tear down.
Lake Lansing Team Relay and Autumn Classic 8K
   2014-2016. T-shirt folding the day before, registration the morning of, and course marshaling during the races.

Skills

LANGUAGES: Java, JavaScript, Markdown, Python, Haskell, SQL, XML, HTML/CSS

TOOLS/OSES: Git, OSX, Windows OS, Bash scripting, CMD scripting

MUSIC: Cockos Reaper, Avid Pro Tools, MIDI sequencing, Clarinet and Bass Clarinet, Piano, Music Theory, Composition