# Vishal Cherian

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**GITHUB**
https://github.com/vishalcherian

## Technical Skills

**LANGUAGES**
*Proficient in* Java, C, MIPS, Groovy
*Familiar with* Python, HTML/CSS, SQL
*Learning* JavaScript

**RELATED COURSES**
Algorithms & Complexity
Intro to Software Engineering
Principles of Databases
Systems Programming
Artificial Intelligence
Theory of Computation

**OTHER**
Linux CLI environment and Bash scripting
Docker, Apache Maven
MySQL CLI environment
IntelliJ Idea, PyCharm, Atom, Sublime
Selenium, GEB, Katalon
Adobe Photoshop/Illustrator

## Awards

UCONN Leadership Scholarship
Robert Glass Essay Scholarship
ALD Honor Society

## Education

**WOODSTOCK ACADEMY**                                   *2011 - 2015*
Magna Cum Laude

**UNIVERSITY OF CONNECTICUT**                      *2015 – 2019*
*B.S Computer Science,*
Concentration in Big Data Analytics

## Work Experience

**OPTUM, SOFTWARE ENGINEERING INTERN**          *SPRING 2018*
Optimized running time of end-to-end tests by encapsulating and improving existing code, saving team valuable long run salaried hours. Wrote UI tests for new application features and squashed bugs in existing tests. Assessed value of cutting-edge testing frameworks to determine whether existing tests should be migrated.

**TEACHING ASSISTANTSHIP**                              *SPRING 2018*
Collaborated with Dr. Wei in a junior level computer architecture class to grade and teach a weekly lab section of 30+ students, hold office hours, and assist professor in determining course trajectory.

**PFIZER, BUSINESS TECH INTERN**                      *SUMMER 2017*
Interacted with local and global team members to update rigid and outdated training modules for a configuration management application, and recreated and optimized them in offline format for further updates and distribution in the future. Gained valuable exposure to business technology and ITIL framework.

## Involvement

**HUSKY HUNGAMA, A CAPELLA GROUP**
Musical Director (2016 – Present)
Responsible for directing group, teaching and composing music, and fulfilling executive board responsibilities.

**STEMPOWER**
Social Media Chair (2016-2017)

**PROJECT SHHH7214, WEB DESIGNER**
Worked towards creating an aesthetically pleasing and functional website for Project SHHH7214. Implemented through Squarespace and used CSS enhancements.

## Projects

**INDEPENDENT STUDY, MACHINE LEARNING**          *SPRING 2018*
Spearheaded by Dr. Rajasekaran, worked with TensorFlow based CNN to create a basic image classifier, analyzed cost and benefits of various Neural Networks, gained historical perspective of NN development.