

# Yogesh Chellappa Chockalingam

(608)-960-0289 | [yogesh20101993@gmail.com](mailto:yogesh20101993@gmail.com) | <https://ychellappa.com> | <https://www.linkedin.com/in/yogeshchellappa>

## OBJECTIVE

Graduate student with industrial experience and excellent ability to learn rapidly, dive deep and take ownership to deliver end to end. Seeking internship opportunities in software engineering, machine learning and computer vision roles.

## EDUCATION

**University of Wisconsin-Madison, Madison, WI**

**May 2019**

- MS, Computer Science (GPA: N/A)

**Courses:** Artificial Intelligence, Machine Learning, Pattern Recognition

**PES Institute of Technology, Bangalore, India**

**May 2015**

- BE, Computer Science (Major GPA: 9.46/10.0)

**Courses:** Algorithms, Data Structures, Databases, Operating Systems, Computer Networks, Parallel Computing

## WORK EXPERIENCE

**Intuit Inc, Software Engineer II, Bangalore, India**

**Aug 2015 - Aug 2017**

- Delivered TurboTax for MacOS and Windows on key features including a contextual tax help system and a screen sharing module which minimized customer care volume by 30%. Reduced crashes by roughly 40% over 12 months.
- Launched TurboTax on the Windows App Store, from ground up in 60 days.
- Technologies:** Objective-C, C#, .NET, bash, Universal Windows Platform, Git, XCode, Visual Studio.

**Intuit Inc, Co-op Intern, Bangalore, India**

**Jan 2015 - Jun 2015**

- Imported business and financial data from QuickBooks Online into TurboTax Business, thus jump starting a tax return. This helped reduce the time spent on preparing a tax return by 30 minutes and data entry errors by 15%.
- Technologies:** REST, C#, .NET, Perforce, Visual Studio.

**GE Healthcare, Software Engineering Intern, Bangalore, India**

**Jun 2014 - Jul 2014**

- Built a system using OpenCV to track patients in a hospital ward by aggregating multiple WebRTC based live video streams and applied background subtraction to track the patient. Attained an accuracy of about 63%.
- Technologies:** Python, OpenCV, WebRTC, Apache Karaf.

## SKILLS

- Programming:** Python, Java, Objective-C, C, C#, SQL, JavaScript, HTML/CSS, PHP
- Tools:** OpenCV, Python scikit-learn, Flask, WebRTC, Bootstrap, Git, Perforce, MATLAB

## PROJECTS

**Driver Fatigue Detection System, PES Institute of Technology, Bangalore, India**

**Jan 2015 - Jun 2015**

- Developed a system using OpenCV to detect fatigue in drivers by uniquely combining eye tracking and blink detection, yawning detection and data from physical sensors monitoring the pulse rate and core body temperature of the driver.
- Achieved an accuracy of 80.55% with sub-second alerts being sounded through the vehicle's audio system.
- Published the research and results at the IEEE International Conference on Signal and Image Processing – 2016, Beijing.

**Sam, Intuit Hackathon, Bangalore, India**

**Jul 2017 - Aug 2017**

- Created a tax bot called Sam which answers commonly asked tax queries by using natural language processing to parse the questions and web scraping to pull corresponding answers from TurboTax's answer exchange forum.

**Import tax data from an image of a W2, Intuit Inc, Bangalore, India**

**May 2016 - Jun 2016**

- Pushed a hackathon idea into production by importing form W2 information into TurboTax desktop, by enabling the user to snap a picture of the W2 and performing optical character recognition.
- Attained an accuracy of about 70% and helped save several minutes for 5 million customers.

**Shopping Assistant, Myntra Hackathon, Bangalore, India**

**May 2016 - Jun 2016**

- Simulated a fitting room using augmented reality by tracking the shopper's face using OpenCV and modelling clothing onto the shopper's torso. This idea was placed third amongst 125 teams.

## AWARDS

- Intuit – Star of the Quarter (2015, 2017)
- Winner – Intuit Hack-Utsav Hackathon (2016, 2017)
- Second Runners – Harman World Hackathon (2016)
- Second Runners – JP Morgan Code for Good hackathon (2014)
- Runners – SAP Lumira Hackathon (2014)