

Yogesh C Chockalingam

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OBJECTIVE Graduate student with professional experience and excellent ability to learn rapidly, dive deep and take ownership to deliver end to end. Top notch communication skills and works well in a team. Seeking internship opportunities in software engineering, machine learning and computer vision roles.

EDUCATION

UW MADISON

M.S COMPUTER SCIENCE

Expected Dec 2018 | Madison, WI

GPA: N/A

PES INSTITUTE OF TECHNOLOGY

B.E COMPUTER SCIENCE

May 2015 | Bangalore, India

GPA: 9.21 / 10.0

SKILLS

PROGRAMMING

Python • Java • JavaScript • C

C# • Objective C

DATABASES

SQL • MongoDB

LIBRARIES AND TOOLS

OpenCV • Python scikit-learn

• Python-flask • numpy • WebRTC •

Bootstrap • Git

COURSEWORK

GRADUATE

Machine Learning

Pattern Recognition

Introduction to Artificial Intelligence

UNDERGRADUATE

Analysis and Design of Algorithms

Data Structures

Databases

Operating Systems

Cloud Computing

Big Data

PUBLICATIONS

- "Driver fatigue detection system", IEEE International Conference on Signal and Image Processing, 2016.

AWARDS

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

EXPERIENCE

INTUIT | SOFTWARE ENGINEER II

Aug 2015 – Aug 2017 | Bangalore, India

- Delivered TurboTax desktop, on MacOS and Windows on several features including contextual tax help and reduced crashes by roughly 40%.
- Designed and implented from scratch, Turbotax on the Windows App Store, using Universal Windows Platform in 60 days.

INTUIT | SOFTWARE ENGINEERING INTERN

Jan 2015 – Jul 2015 | Bangalore, India

- 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.

GE HEALTHCARE | SOFTWARE ENGINEERING INTERN

Jun 2014 – Jul 2014 | Bangalore, India

- 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%.

PROJECTS

DRIVER FATIGUE DETECTION SYSTEM

Jan 2015 – Jun 2015 | PES Institute of Technology

- Developed a system using OpenCV to detect fatigue in drivers and trigger an alert. The system combined multiple methods of detection: 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.

IMPORT TAX DATA FROM AN IMAGE OF FORM W2

May 2016 – Jun 2016 | Intuit

- Implemented importing of form W2 information into TurboTax desktop, by enabling the user to snap a picture of the W2 and performing OCR.
- Attained an accuracy of about 70% and helped reduce data entry errors by 30% for 5 million customers.

SHOPPING ASSISTANT

May 2016 – Jun 2016 | Myntra Hackathon

- Simulated a fitting room using augmented reality by tracking the shopper's face and modelling clothing onto the torso in a scale invariant manner.

SEMANTIC TEXTUAL ANALYSIS

Aug 2013 – Nov 2013 | PES Institute of Technology

- Developed a system using Facebook's Graph API to send automated replies to all birthday wishes on the user's timeline. Regular expressions were used to detect if a post is a birthday greeting.
- An automated reply is then generated for the matching post, thanking the corresponding friend by name. Attained an accuracy of 95%.