

Yogesh Chellappa Chockalingam

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EXPERIENCE

- **Intuit** San Diego, CA
Software Engineer 2 *Jul 2019 - Present*
 - Backend software engineer in TurboTax Online, working on high-performance web services responsible for orchestration, experimentation, dynamic UI and navigation.
- **Intuit** San Diego, CA
Software Intern *May 2018 - Aug 2018*
 - Designed the backend of an internal web portal to provide employees with discounted Intuit products via vouchers.
 - Created the database schema and tables on AWS DynamoDB to track voucher claims.
 - Implemented a Java Service using Spring Boot, to perform CRUD operations on the database.
- **Intuit** Bangalore, India
Software Engineer 2 *Aug 2015 - Aug 2017*
 - Delivered key business features on TurboTax Desktop including a contextual tax query system and a co-browsing experience to connect users with tax experts.
 - Implemented and launched the TurboTax App on the Windows 10 Store in 60 days, with high quality.
 - Reduced crashes by 40% by integrating an internal tool for crash reporting, triaging and analysis.

EDUCATION

- **University of Wisconsin-Madison** Madison, WI
Master of Science, Computer Science *Sep 2017 - May 2019*
- **PES University** Bangalore, India
Bachelor of Engineering, Computer Science *Sep 2011 - May 2015*

SKILLS

Languages: Java, Python, SQL, C, JavaScript, bash, HTML, CSS

Frameworks and Tools: AWS, Spring, Splunk, Git, React, Docker, Kubernetes

PROJECTS AND PUBLICATIONS

- **Text Synthesis from Lip Movements** [goo.gl/i5SFBk]
Compared traditional computer vision techniques against neural networks for lip reading. Extracted features and built a model using optical flow, 3D convolutional layers and RNNs. Attained a BLEU score of 0.27.
- **Embedding Database Records** [goo.gl/FvRYoY]
Designed a scheme to embed database records and built a pipeline to perform error detection and error correction of dirty records. Obtained 95% precision in error detection and 83% accuracy in error cleaning. Published in MAIS 2019.
- **Question Pairs on Quora** [goo.gl/HjboE9]
Detected pairs of questions on Quora which have the same semantics using a Siamese neural network with custom word embeddings and bidirectional LSTMs. Attained an accuracy of 68.6%.
- **Driver Fatigue Detection System** [goo.gl/FLVpuH]
Developed a system to detect fatigue in drivers by combining eye tracking, blink detection, yawning detection, pulse rate and core body temperature of the driver. Achieved 80.55% precision and 97% recall. Published at ICSIP 2016.

HACKATHONS AND AWARDS

Winner: UW-Madison EnerHack (2018)
Winner: Intuit Hackathon (2016 & 2017)

Star of the Quarter: Intuit (2015 & 2017)
Second Runners: Harman World Hackathon (2016)