

QUAN NGUYEN

System Level Test (SLT) Engineer

PROFESSIONAL SUMMARY

- 1.5+ year professional working experience with expertise in Software Test Development & Automation, Production Deployment & End-To-End 5G Processor SLT Project Management; Analysis Software & Database Development
- High-performance, Diligent & Continuous Learning Individual; Excellent team player with great attention to details and execution
- Passionate about Machine Learning & Data Analytics

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SKILLS

Data Analytics 
(Pandas, XML, JSON)

Python 

C 

Full-Stack Web 
(Django Web Framework)

AWARDS

Qualcomm Qualstar Award **2019-2020**
Four-time recipient of the Qualcomm Qualstar Award for Outstanding Project Contributions

Indeco Scholarship **2015-2016**
The scholarship awarded for excellence in both academic & co-curricular activities

NTU Dean's List Award **2014-2015**
Dean's List - Top 5% of the cohort with Outstanding Scholastic Achievement

WORK EXPERIENCE

- Qualcomm – System Level Test (SLT) Engineer** **Jul 2018 – Present**
- Experience in *Test Development & Automation* on Qualcomm Snapdragon Mobile SoC **7xx** to **4xx** series; Latest **5G** Compute **Windows SoC 8cx**
 - Integrate System Verilog, UEFI* and **HLOS** Software test contents
 - Develop & Validate* stability of SLT Production Test Suites for **HVM**
 - Collaborate* with cross-functional teams in **U.S, India, China, Taiwan & Korea** for *production troubleshooting*, Yield & Product Quality improvement
 - Develop* Yield Analysis Software & Database for **Test Time Reduction**

- Micron Technology, Inc – Software Engineer (Intern)** **Jan 2017 – Jul 2017**
- Designed* **MySQL Database** on Red Hat Enterprise **Linux Server** for Advantest BIST Validation Data queried from production server
 - Developed* **Front-End** web interface to visualize graphically data in the Database using **Django Web Framework, Google Chart API**, and **JavaScript**
 - Offered *long-term data storage* solution for manufacturing Big Data with user-friendly **graphical platform** for BIST Engineers in both Singapore and U.S to analyze Firmware version performance

- Nanyang Business School (NBS) – Research Assistant** **May 2016 – Jul 2016**
- Developed **web-scraping & data extraction** tool from business journals using Python **BeautifulSoup** in research project between NBS and Korea University
 - Successfully built Database consisting 8072 cleaned data of CEOs & Managers

EDUCATION

- Nanyang Technological University (NTU)** **Aug 2014 – Jun 2018**
Bachelor of Engineering (Electrical and Electronic Engineering)
- Honours (Highest Distinction)**, CGPA: **4.68/ 5.00**
 - Achieved **A+** in **Final Year Project** on **Machine Learning** application
 - Achieved **Distinctions** in (1) **Computing** (2) **Engineering Mathematics** (3) **Software Engineering**

PROJECTS

- NTU – Final Year Project** **Aug 2017 – May 2018**
Analysis of the Performance of Psycholinguistic-based Approach to Automatically Detect English Satire in Social Media Platform
- Researched on Machine Learning (ML) - *Natural Language Processing*; built ML model to automatically detect English satire in Twitter corpus
 - Built corpus using **Twitter API** & Python **BeautifulSoup** & ML models trained by **psychological** and **linguistic** features extracted from corpus via **LIWC**
 - Evaluate performance of ML classifiers for English Twitter corpus in comparison with the benchmark model built from Spanish and Mexican.
- NTU - EEE Design and Innovation Project** **Aug 2016 – Dec 2016**
Development of Gesture Recognition System using Passive IR
- Enhanced* algorithm to allocate temperature data of hand movement captured by *Heimann's Passive Infrared Low Power Sensor* into a real-time 32x31 matrix; achieved 5 times faster in speed
 - Developed* **new gesture recognition** algorithms based on image processing technique to analyze temperature matrix data using *Matlab*
 - Increased efficiency and accuracy of **gesture recognition**; it could detect 6 hand gestures instead of 4.

HOBBIES



Reading



Hiking



Music