

# Angelia Lau Kah Mun

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## PERSONAL PROFILE

I care about developing contextually nuanced solutions to social and technical problems, particularly in the realm of urban planning and digital cities. I seek growth, integrity and passion wherever I go, and work excellently in multidisciplinary teams.

## EDUCATION

### New York University

- Master of Science in Applied Urban Science and Informatics
- Expected date of graduation: August 2020

**New York**  
**Sept 19 to Present**

### Singapore University of Technology and Design

- Bachelor of Engineering (Information Systems Technology and Design), Honors
- CGPA 4.39/5.0, Magna Cum Laude

**Singapore**  
**May 16 to Sept 19**

### Massachusetts Institute of Technology

- SUTD Global Leadership Program summer exchange
- Conceptualized and built a fully functioning electric boat with a novel steering system in a team of 5, successfully carrying passengers across Charles River of Boston
- Completed leadership training under Leadershape and a wilderness leadership program

**Boston, MA**  
**Jun 17 to Aug 17**

## INTERNSHIP EXPERIENCES

### Government Technology Agency Agile Software Engineer Intern

- Designed and built a Java Servlet API that works closely with shell processes to expose an inhouse Android device farm and facilitate Continuous Integration/Continuous Development
- Orchestrated the installation of a development environment using Ansible and Vagrant for CentOS
- Worked using Agile methodologies and SCRUM ceremonies

**Singapore**  
**May 18 to Aug 18**

## RESEARCH PROJECTS

### Singapore University of Technology and Design Samsung ShooShoe Capstone Project, Software and Computer Vision Engineer

- Led a multidisciplinary team of engineers and architects to design and build a smart shoe storage, sorting and retrieval system, partnered with Samsung
- Implemented and adapted the VGGNet Convolutional Neural Network using Keras for shoe type and color classification
- Engineered integration efforts via a backend API using Flask pythonic framework

**Singapore**  
**Jan 19 to Sept 19**

### Singapore University of Technology and Design Urban Freight Transport (University Research Opportunities Program), Research Assistant

- Assistant to Dr You Linlin and Dr Lynette Cheah, conducting data analysis and visualization using urban freight data

**Singapore**  
**Jan 19 to May 19**

### Singapore University of Technology and Design The Analytics Edge Data Competition, Data Scientist

- Designed algorithms in R and Python for a data-driven method to detect cyber-attacks on water distribution systems
- Visualized data for data exploration and experimented with novel methods of modelling for classification task

**Singapore**  
**Nov 18 to Dec 18**

### Singapore University of Technology and Design Analysis of Twitter Sentiments on Singapore's Straits Times Index, Data Scientist

- Collaborated in a team of 3 to design methodologies for regression and text sentiment analysis tasks
- Engineered and augmented features for Twitter dataset using APIs and literature review
- Implemented Bag of Words and Long Short Term Memory (LSTM) machine learning models using Keras

**Singapore**  
**Oct 18 to Dec 18**

### Singapore University of Technology and Design Fake News Authentication Web Platform with Google, Front End Web Developer

- Built a web platform using JavaScript, HTML, CSS with Angular 4.0/5.0 as the front-end framework
- Collaborated with Google engineers on project design, planning and execution

**Singapore**  
**Jan 18 to Apr 18**

## HONOURS AND AWARDS

- CUSP Academic Scholarship
- SUTD Global Leadership Program Scholarship
- Tech for Good Hackathon Best Use of Design Principles Prize

**2019 to Present**  
**2016 to 2019**  
**Jul 18 to Jul 18**

## TECHNICAL SKILLS

- Proficient: Python, Java; Prior Experience: R, Unity C#, Bash, JavaScript, Go, HTML, CSS
- Git, LaTeX, Adobe Illustrator, Adobe XD, ArcGIS ArcMap