

EDUCATION

- **Singapore University of Technology and Design**
Bachelor of Engineering (Information Systems Technology and Design) *May 2014 - Present*
- **Singapore Management University**
Bachelor of Business Management *Aug 2014 - Present*
- **SUTD-SMU Dual Degree Programme Scholarship: Pioneer batch**
- **Expected graduation: July 2018**

SKILLS

- **Development:** C, Java, JavaScript, Python, Go, Haskell
- **Ops:** Unix, Docker, Kubernetes, Google Cloud Platform, Amazon Web Services, CI/CD
- **Media:** Video production, motion graphics, Adobe Creative Cloud, L^AT_EX

EXPERIENCE

- **MSD Pharma (Singapore) Ptd. Ltd.**
Software engineering intern *May 2016 - Aug 2016*
 - **Web scraping:** Monitored and scraped relevant pharmaceutical news from a variety of web sites.
 - **Natural language processing:** Utilised NLP techniques to ingest and classify collected news articles.
 - **HTTP API design:** Designed and implemented a REST API for frontend applications
- **SUTD Productions**
President *Aug 2015 - Nov 2016*
 - Established the club's reputation for professional quality video production despite being a student organisation.
 - Created new sources of revenue through formal contract work for school departments and external organisations.

PROJECTS

- **Bus Eta Bot** <https://github.com/yi-jiayu/bus-eta-bot>
Telegram bot to view bus arrival times in Singapore with 100 MAU *Sep 2016 - Present*
 - **Serverless architecture:** Experimented with AWS Lambda, Google Cloud Functions and Google App Engine for the bot backend.
 - **Continuous integration and deployment:** Set up a CI/CD pipeline using GitHub, Travis CI, CircleCI, SemaphoreCI and CodeCov deploying automatically to staging and production environments.
- **Project Peri**
Assistive technology for the hearing-impaired *May 2014 - Present*
 - **James Dyson Award 2017:** National winner for Singapore.
 - **Creative design:** Designed various assets for the project including a portfolio, posters and videos.
 - **Featured in:** The Straits Times, Mashable Asia
- **Detecting breast cancer in histopathological images**
Artificial intelligence project *Aug 2017 - Sep 2017*
 - **Image classification:** Used Tensorflow to classify histopathological images as either benign or malignant.
- **Medium blog** <https://medium.com/@jiayu>
Personal blog *Sep 2017 - Present*
 - **Topics:** Cloud computing, software engineering and my projects
 - **Published in:** Google Cloud Platform—Community, Tech in Asia