

Jiayu Yi

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EDUCATION

- **Singapore University of Technology and Design**
 - *Bachelor of Engineering (Information Systems Technology and Design, Artificial Intelligence track) 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.

SPEAKING AND WRITING

- **App Engine, chatbots and devops** <https://engineers.sg/v/2234>
 - *Google Cloud Platform user group Singapore meetup talk* *Jan 2018*
- **Medium blog** <https://medium.com/@jiayu>
 - *Personal blog* *Jun 2017 - Present*
 - **Topics:** Cloud computing, software engineering and my projects
 - **Published in:** Google Cloud Platform—Community, Tech in Asia, Towards Data Science

PROJECTS AND ACHIEVEMENTS

- **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.
- **CodeIT Suisse 2017**
 - *Credit Suisse Coding Challenge* *Sep 2017*
 - **Overall 5th place:** Out of 20 teams