

# Nathaniel Lin Shixuan

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## EDUCATION

### Singapore Institute of Technology – University of Glasgow

Sep 2019 – Aug 2022

*B.S(Hons), Computing Science, 2<sup>nd</sup> Upper-Class Honours (Distinction)*

### Ngee Ann Polytechnic

Apr 2014 – Apr 2017

*Diploma, Mechanical Engineering*

## WORK EXPERIENCE

### NEC Laboratories Singapore

Sep 2021 – Apr 2022

*UX Developer Intern*

- Led scrum master duties through daily stand-ups and retrospectives, removing blockers, and continuously updating sprint board
- Implemented a custom YAML script to command job sequence performed in the CI/CD pipeline and deployed production-ready code into release environments, maintaining a 90% pipeline success rate.
- Developed UI/UX standards in Angular Framework and API call-backs to visualise data gathered by AI engines
- Enhanced NEC's brand identity through standardising design elements in its proprietary applications, raising brand recall by 60%
- Approached requirements elicitation by engaging in design ideation workshop, rapid prototyping, and user testing
- Conducted heuristic evaluation to test UI affordance, product showed a 50% increase in navigation efficiency

### Republic of Singapore Air Force

Oct 2016 – Feb 2017

*Admin Support Assistant*

- Streamlined the outdated administration system processes by implementing unit-wide compliances and automating daily tasks with Excel macros, increasing workflow efficiency by 80%

### Pentair Valves & Control

Oct 2016 – Feb 2017

*Sales Support Intern*

- Analysed risk opportunities and restructured communication flow among 3 departments, cutting down paperwork by 40%
- Successfully cleared 60% of the organisation's backlog in sales quotation within 3 months, receiving a letter of recommendation

## CO-CURRICULAR ACTIVITIES

### SITizen Ambassadors – “Admissions” Track

Jan 2021 – Dec 2021

- Partook in SIT Virtual Open House, representing the faculty of computing science, which attracted a turnout of 100 prospective students
- Engaged with SIT stakeholders and external partners to develop branding strategies to co-create the future of SIT

### SIT Campus-Wide Engagement EXCO – Head of Publicity

Oct 2020 – Jan 2021

- Organised campus-wide publicity campaigns which successfully amassed an average of 100 students in attendance among multiple events
- Created and designed marketing collaterals such as electronic digital mail, and management of social media accounts thereby increasing Instagram followers count by 60%
- Planned a webinar engagement event and a movie night festival which attracted a turnout of 100 participating students

## ACHIEVEMENTS

- **2<sup>nd</sup> Place – Runner Up: “Melody” Mobile App**, 2021 Glasgow University Tech Society
- **Letter of Commendation: “Best Airman Award of the Month”**, 2019 Republic of Singapore Air Force
- **Certificate of Service Transcript: “Outstanding”**, 2019 Singapore Armed Forces

## SKILLS

### Programming Languages

C/C++, Python, Java, Kotlin, Javascript, React, Angular, Vue

### Natural Language Processing

Google Vertex AI, Stanford CoreNLP, Keras/Tensorflow

### Design Tools

Figma, JustInMind, Adobe Illustrator, InVision

### Cloud Services

Amazon Web Services, Google Cloud Platform