

Profile

Both-brained learner who loves creating things and blessing people

Skills & Knowledge

- C/C++, Python, Javascript/Typescript, Rust
 - Software Engineering (Agile/Scrum, Best Practices)
 - Teaching/Mentoring
 - UI/UX/Information Visualization
 - Data Science/Machine Learning
 - Computer Graphics
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Work Experience

Autodesk Delivery

Sr. Software Engineer, Solution Lead, Engineering Practices Lead (Jun 2018 - Present)

- Championed Engineering Best Practices across Delivery team
- Key contributor in design and implementation of *Autodesk On-Demand Install Services*
 - Designed & implemented on Graph-based Install Coordinator component (C++)
 - Designed & implemented Unit Test (GTest) and Component Test frameworks (Robot)
 - Worked on UI component and UI workflows (Electron & ReactJS)

Autodesk Memento/ReCap Photo

Software Engineer (Jan 2015 - Jun 2018)

- Designed & implemented on a CI/CD framework for Jenkins Pipeline Shared Library (Python)
- Key contributor in design and implementation of *Autodesk ReCap Photo*
 - Collaborated with UX to build UI workflows for Desktop and VR (C++ & QT)
 - Designed & refactored UI framework and 3D manipulation tools (C++)

Volunteer Experience

School of Science and Technology

SST Inc. Mentor (June 2019 - Present)

- Co-designed engagement programme for graduating students
- Mentored SST Inc. Executive Committee on technical and management skills

The Navteens Singapore

Mentor/Trainer (Dec 2009 - Present)

- Mentored individuals for holistic growth
- Taught Bible-based mentoring skills as part of a youth training program

Boys Brigade Singapore

Volunteer/Officer (Jan 2005 - Apr 2019)

- Taught Boys about Bible-based character values
 - Taught visual programming to Boys
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Education

National University of Singapore

Jan 2017 - Jul 2019

- M.Comp in Computer Science

DigiPen Institute of Technology

Sep 2012 - Aug 2015

- B.Sc in Computer Science in Real-Time Interactive Simulation
 - Teaching Assistant
 - Tools Programmer, [Short Circuit](#)
 - Gameplay Programmer, [Flowline](#)
 - Technical Lead, [BIBBB](#)